

MASTER INDUSTRIAL PRICE LIST



EFFECTIVE MARCH 25, 2011

www.ogdenmfg.com
1-800-OMC-4921

MIPL-OMC-11

Master Industrial Price List

Effective March 25, 2011

CUSTOMER SERVICE INFORMATION

Order delivery status information may be obtained from the shipping location as shown on the Order Acknowledgement form. See below.

LaVergne, TN (Controls)
Phone: 888-996-9258

LaVergne, TN
Phone: 800-282-1375

Nuevo Laredo, Mexico
Phone: 888-485-3335

Ogden, UT
Phone: 800-368-2493

Ordering information and Customer Service may be obtained by calling the numbers listed below.

Customer Service
103 Gamma Drive
Pittsburgh, PA 15238
Phone: 800-OMC-4921 or 412-967-3906
Fax: 888-OMC-9890 or 412-967-3930

www.ogdenmfg.com
email: cs@ogdenmfg.com

TERMS and CONDITIONS

Use for pricing all Ogden Industrial Products, stock and non-stock.

General: The master price list supersedes all previously published price lists. For prices on boilers, heat transfer systems, large tank heaters and specially designed heating equipment, contact your sales engineering representative or the factory.

Stock Status: Designations in this price list are:

ST Stocked in finished form. Some stock items, such as cartridge heaters, may be modified for cutomers, but are still considered as stock.

AS Assembly Stock. Items which are put together using major sub-assemblies which are kept on hand, and which require a 1 to 10 day shipping leadtime.

NS Non-stock. These are all made-to-order and include products containing special features, for which a "price adder" applies.

Prices: Prices are net to industrial user customers, regardless of quantity or order size.

Minimum Order Charge:

Stock and Assembly Stock Items -
\$ 150.00 net per order.

Non-Stock Items -
\$ 300.00 net per item.

Parts - \$50.00 net per order.

Sensors - \$50.00 net per order.

1. Prices and discounts are subject to change without notice.
2. All prices F.O.B. shipping point.
3. Six-piece minimum on non-stock Tubulars, Finned Tubulars, SST & QST items.

Terms: Net 30 days on approved credit. All prices are F.O.B. point of shipment. UPS shipments are prepaid and charges added to invoice. Freight shipments are made with freight charges collect. Prices, delivery, discounts, stock status and designs are subject to change without notice. Prices do not include sales or similar taxes.

Price Policy: Prices in effect at time of shipment will apply. Exception: Prices on orders entered prior to the announcement of a general price increase are firm if shipment is made within 30 days after the

effective date of the increase.

Variance in Quantity, Non-Stock Items (VIQ)

In the manufacture of non-stock products, it is necessary to allow for losses in production. We, therefore, reserve the right to ship the following variations in quantities.

Quantity Ordered	Shipping Variations
1-5	No Variation
6-10	±1 Unit
11-25	±2 Units
26-50	±3 Units
51-75	±4 Units
76-99	±5 Units
100 and Over	±5 Percent

NO VIQ, Add 10% to order value

Specify: Quantity, model number, catalog number, volts, watts, type of heater or control, plus additional features required.

Restocking Policy:

AS - Not eligible for return

NS - Not eligible for return

ST - For stock returns, please contact your local sales representative for restocking charge.

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SECTION I - FLEXIBLE HEATERS and BAND HEATERS

FLEXIBLE HEATERS

SIZE		5 WATTS/ SQ. IN.		Price
W	L	Catalog Number @ 120V	Catalog Number @ 240V	
1"	5"	SR2031	-	\$22.45
1"	6"	SR2033	-	\$22.95
1"	7"	SR2035	-	\$23.50
1"	8"	SR2037	-	\$24.00
1"	9"	SR2039	-	\$24.75
1"	10"	SR2041	SR3100	\$25.05
1"	15"	SR2043	SR3101	\$27.85
2"	2"	SR2045	SR3102	\$21.90
2"	3"	SR2047	SR3103	\$22.95
2"	4"	SR2049	SR3104	\$24.00
2"	6"	SR2051	SR3105	\$26.35
2"	10"	SR2053	SR3106	\$30.65
2"	12"	SR2055	SR3107	\$32.75
2"	16"	SR2057	SR3108	\$37.10
3"	3"	SR2059	SR3109	\$24.75
3"	5"	SR2061	SR3110	\$27.85
3"	8"	SR2063	SR3111	\$32.75
3"	10"	SR2065	SR3112	\$34.95
3"	15"	SR2067	SR3113	\$44.25
3"	20"	SR2069	SR3114	\$52.65
4"	4"	SR2071	SR3115	\$28.45
4"	8"	SR2073	SR3116	\$37.25
4"	12"	SR2075	SR3117	\$46.00
4"	20"	SR2077	SR3118	\$63.50
5"	5"	SR2079	SR3119	\$33.20
5"	10"	SR2081	SR3120	\$47.15
5"	15"	SR2083	SR3121	\$60.60
5"	20"	SR2085	SR3122	\$74.50
10"	10"	SR2087	SR3123	\$79.95
10"	15"	SR2089	SR3124	\$111.00
10"	20"	SR2091	SR3125	\$142.00

Other sizes square inch	\$0.55	Adjustable Thermostat	\$50.40
Plus base	\$15.45	Fixed Temperature Thermostats	\$42.35
Includes 12" Silicone Rubber / 6" additional length	\$1.45	Ambient Sensing Thermostat	\$62.55
or Teflon Leads / 6" additional length	\$1.60	Dual Voltage or 3 phase	\$8.50
Grounded Heater 5.00 to Base plus square inch	\$0.35	Thermocouples attached to outside surface with patch, specify location and whether fiberglass or teflon insulation	\$13.40
72" 18 ga. 2 conductor Neoprene Cord and Plug Set	\$22.95	Thermocouples attached to outside surface with patch, specify location and whether fiberglass or teflon insulation 6" additional length	\$1.00
144" 18 ga. 2 conductor Neoprene Cord and Plug Set	\$42.25	Silicone Rubber Enclosure Heaters sq. in.	\$4.85
300" 18 ga. 2 conductor Neoprene Cord and Plug Set	\$47.95	Factory vulcanizing, other mounting methods and other options (Consult Ogden)	
3 Conductor Cord / Add to 2 conductor prices	\$11.65	net non-recurring set-up charge on all new wire wound element items	\$57.95
Other cords and terminations (Consult Ogden)		net non-recurring set-up charge if over 200 sq. in.	\$86.85
Pressure Sensitive Adhesive (P.S.A.) square inch	\$0.35	net non-recurring set-up charge on all new etched foil element items	\$175.00
Spring & Hook mountings each	\$11.20	277 V (thicker material) add per sq. in.	\$0.25
Silicone Rubber Sponge Insulation 1/16" (Sq. In.)	\$1.35		
Silicone Rubber Sponge Insulation 1/8" (Sq. In.)	\$1.45		
Silicone Rubber Sponge Insulation 1/4" (Sq. In.)	\$1.75		
Silicone Rubber Sponge Insulation 1/2" (Sq. In.)	\$2.25		
Foil Backing square inch	\$0.40		
Holes up to 1-1/2" diameter each	\$1.80		
Plus set-up charge each . . \$6.45Larger holes, shapes, notches, etc (Consult Ogden)			
No Heat Tab	\$3.30		

MIGHTY TUFF® BAND HEATERS

INSIDE DIAMETER	WIDTH								
	1 and 1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
3 & LESS	74.95	79.50	81.80	86.65	95.90	103.90	114.00	122.00	137.00
3-1/2	78.20	84.00	86.65	94.00	102.75	112.00	122.00	131.00	147.00
4	82.70	89.35	92.40	100.10	109.00	119.00	130.00	139.00	158.00
4-1/2	84.80	91.25	97.90	103.90	116.00	126.00	138.00	149.00	167.00
5	85.60	93.45	103.55	111.00	122.00	133.00	145.00	158.00	177.00
5-1/2	88.35	97.90	106.00	118.00	129.00	141.00	153.00	166.00	188.00
6	91.25	101.95	112.00	120.00	136.00	147.00	162.00	175.00	199.00
6-1/2	94.85	108.00	114.00	125.00	141.00	154.00	170.00	184.00	210.00
7	98.35	112.00	120.00	132.00	147.00	162.00	170.00	193.00	220.00
8	106.00	118.00	130.00	140.00	160.00	177.00	194.00	210.00	241.00
9	114.00	125.00	137.00	152.00	172.00	189.00	210.00	228.00	262.00
10	117.00	136.00	146.00	164.00	184.00	204.00	226.00	246.00	283.00
11	124.00	141.00	158.00	171.00	197.00	218.00	241.00	263.00	304.00
12	132.00	149.00	163.00	183.00	209.00	231.00	258.00	281.00	325.00
13	140.00	158.00	173.00	195.00	221.00	246.00	273.00	299.00	346.00
14	147.00	166.00	183.00	206.00	235.00	260.00	290.00	317.00	367.00
*	6.00	7.00	8.30	9.45	11.20	12.10	14.10	15.70	19.10

* Over 14", add per inch of diameter. In-between sizes, use price of next larger size. Over 14" must be Type T.

MIGHTY TUFF® BAND HEATER OPTIONS

Type SG & SH	Terminals . . . . .	.N/C
Type F	High Temperature Leads1st 12"	\$9.10
	Per add'l 6"	\$2.85
Type A	Braided Leads1st 12"	\$9.30
	Per add'l 6"	\$3.45
Type C	Aarmor Cable1st 12"	\$18.15
	Per add'l 6"	\$4.10
Type P	Braided Leads1st 12"	\$13.60
	Per add'l 6"	\$3.45
Type R	Braided Leads1st 12"	\$13.60
	Per add'l 6"	\$3.45
Type B	Terminal box	\$14.10
Type E	Expandable . . . . .	.add 10% to base price
Type T	Two piece construction . . . . .	.add 25% to base price
Type L	Flange Mounting . . . . .	.N/C
Type LS	Spring Loaded Flange Mounting	\$16.75
Type MC	Standard Mounting . . . . .	.N/C
Type MCS	Spring Loaded Spring Mounting	\$16.75
Type S	Straps . . . . .	.N/C
Type 110	European Plug	\$43.70
Type 115	European Plug	\$44.75

Type H	Special cutouts and holes in heated section	\$.37.35
Built-in Thermocouple	. . . . .1st 12"	\$26.20
	Per add'l 6"	\$1.50
Insulated Shroud	Consult Ogden	
Dual Voltage or 3 Phase	. . . . .	\$23.40
3 Pc. Construction	. . . . .	.add 35% to base price
Notch in Gap	. . . . .	\$23.40
Ground Wire	. . . . .1st 12"	\$5.40
	Per add'l 6"	\$1.50
Type BL	less than 3" Width	\$6.90
Type BL	greater than 3" Width	\$14.10
Type BN	less than 3" Width	\$8.05
Type BN	greater than 3" Width	\$15.70
Type BW	. . . . .	\$10.65
Type BR	. . . . .	\$17.00
Type BT	. . . . .	\$8.65
Monel Sheath	Consult Ogden	
Note:	For voltages over 277 -Consult Factory	
	Additional charges may apply	

ALUMA-FLEX® BAND HEATERS

1-1/2" Wide

AFH1-35-0001	\$129.00
AFH1-35-0087	\$129.00
AFH1-37-0002	\$132.00
AFH1-37-0088	\$132.00
AFH1-40-0003	\$132.00
AFH1-40-0089	\$132.00
AFH1-42-0004	\$132.00
AFH1-42-0090	\$132.00
AFH1-45-0005	\$132.00
AFH1-45-0091	\$132.00
AFH1-47-0006	\$137.00
AFH1-47-0092	\$137.00
AFH1-50-0007	\$137.00
AFH1-50-0093	\$137.00
AFH1-52-0008	\$141.00
AFH1-52-0094	\$141.00
AFH1-55-0009	\$141.00
AFH1-55-0095	\$141.00
AFH1-57-0096	\$151.00
AFH1-57-0097	\$151.00
AFH1-60-0010	\$151.00
AFH1-60-0098	\$151.00
AFH1-62-0011	\$156.00
AFH1-62-0099	\$156.00
AFH1-65-0012	\$156.00
AFH1-65-0100	\$156.00
AFH1-67-0013	\$156.00
AFH1-67-0101	\$156.00
AFH1-70-0014	\$156.00
AFH1-70-0102	\$156.00
AFH1-72-0015	\$159.00
AFH1-72-0103	\$159.00
AFH1-75-0016	\$159.00
AFH1-75-0104	\$159.00
AFH1-77-0017	\$164.00
AFH1-77-0105	\$164.00
AFH1-80-0018	\$164.00
AFH1-80-0106	\$164.00
AFH1-82-0019	\$165.00
AFH1-82-0107	\$165.00
AFH1-85-0020	\$165.00
AFH1-85-0108	\$165.00
AFH1-87-0021	\$167.00
AFH1-87-0109	\$167.00
AFH1-90-0022	\$167.00
AFH1-90-0110	\$167.00
AFH1-92-0023	\$172.00
AFH1-92-0111	\$172.00
AFH1-95-0024	\$172.00
AFH1-95-0112	\$172.00
AFH1-97-0025	\$175.00
AFH1-97-0113	\$175.00
AFH1-100-0026	\$175.00
AFH1-100-0114	\$175.00
AFH1-102-0027	\$182.00
AFH1-102-0115	\$182.00
AFH1-105-0028	\$182.00
AFH1-105-0116	\$182.00
AFH1-107-0029	\$188.00
AFH1-110-0030	\$188.00
AFH1-112-0031	\$188.00
AFH1-115-0032	\$188.00
AFH1-117-0033	\$205.00
AFH1-120-0034	\$205.00
AFH1-122-0035	\$203.00
AFH1-125-0036	\$203.00
AFH1-127-0037	\$219.00
AFH1-130-0038	\$219.00
AFH1-132-0039	\$223.00
AFH1-135-0040	\$223.00
AFH1-137-0041	\$234.00
AFH1-140-0042	\$234.00

Over 14" diameter add \$10.00/in. of dia.

2-1/2" Wide

AFH2-50-0001	\$199.00
AFH2-50-0002	\$199.00
AFH2-52-0003	\$203.00
AFH2-52-0004	\$203.00
AFH2-55-0005	\$203.00
AFH2-55-0006	\$203.00
AFH2-57-0007	\$207.00
AFH2-57-0008	\$207.00
AFH2-60-0009	\$207.00
AFH2-60-0010	\$207.00
AFH2-62-0011	\$212.00
AFH2-62-0012	\$212.00
AFH2-65-0013	\$212.00
AFH2-65-0014	\$212.00
AFH2-67-0015	\$215.00
AFH2-67-0016	\$215.00
AFH2-70-0017	\$215.00
AFH2-70-0018	\$215.00
AFH2-72-0019	\$222.00
AFH2-72-0020	\$222.00
AFH2-75-0021	\$222.00
AFH2-75-0022	\$222.00
AFH2-77-0023	\$230.00
AFH2-77-0024	\$230.00
AFH2-80-0025	\$230.00
AFH2-80-0026	\$230.00
AFH2-82-0027	\$235.00
AFH2-82-0028	\$235.00
AFH2-85-0029	\$235.00
AFH2-85-0030	\$235.00
AFH2-87-0031	\$242.00
AFH2-87-0032	\$242.00
AFH2-90-0033	\$242.00
AFH2-90-0034	\$242.00
AFH2-92-0035	\$245.00
AFH2-92-0036	\$245.00
AFH2-95-0037	\$245.00
AFH2-95-0038	\$245.00
AFH2-97-0039	\$256.00
AFH2-97-0040	\$256.00
AFH2-100-0041	\$256.00
AFH2-100-0042	\$256.00
AFH2-102-0043	\$262.00
AFH2-105-0044	\$262.00
AFH2-107-0045	\$273.00
AFH2-110-0046	\$273.00
AFH2-112-0047	\$282.00
AFH2-115-0048	\$282.00
AFH2-117-0049	\$306.00
AFH2-120-0050	\$306.00
AFH2-122-0051	\$329.00
AFH2-125-0052	\$329.00
AFH2-127-0053	\$345.00
AFH2-130-0054	\$345.00
AFH2-132-0055	\$361.00
AFH2-135-0056	\$361.00
AFH2-137-0057	\$375.00
AFH2-140-0058	\$375.00

Over 14" diameter add \$12.00/in. of dia.

3" Wide

AFH3-50-0001	\$214.00
AFH3-50-0038	\$214.00
AFH3-52-0002	\$215.00
AFH3-52-0039	\$215.00
AFH3-55-0003	\$215.00
AFH3-55-0040	\$215.00
AFH3-57-0004	\$221.00
AFH3-57-0041	\$221.00
AFH3-60-0005	\$221.00
AFH3-60-0042	\$221.00
AFH3-62-0006	\$229.00
AFH3-62-0043	\$229.00
AFH3-65-0007	\$229.00
AFH3-65-0044	\$229.00
AFH3-67-0008	\$230.00
AFH3-67-0045	\$230.00
AFH3-70-0009	\$230.00
AFH3-70-0046	\$230.00
AFH3-72-0010	\$236.00
AFH3-75-0011	\$236.00
AFH3-77-0012	\$245.00
AFH3-80-0013	\$245.00
AFH3-82-0014	\$250.00
AFH3-85-0015	\$250.00
AFH3-87-0016	\$258.00
AFH3-90-0017	\$258.00
AFH3-92-0018	\$262.00
AFH3-95-0019	\$262.00
AFH3-97-0020	\$272.00
AFH3-100-0021	\$272.00
AFH3-102-0022	\$282.00
AFH3-105-0023	\$282.00
AFH3-107-0024	\$293.00
AFH3-110-0025	\$293.00
AFH3-112-0026	\$302.00
AFH3-115-0027	\$302.00
AFH3-117-0028	\$325.00
AFH3-120-0029	\$325.00
AFH3-122-0030	\$349.00
AFH3-125-0031	\$349.00
AFH3-127-0032	\$367.00
AFH3-130-0033	\$367.00
AFH3-132-0034	\$386.00
AFH3-135-0035	\$386.00
AFH3-137-0036	\$401.00
AFH3-140-0037	\$415.00

Over 14" diameter add \$14.50/in of dia.

4" Wide

AFH4-50-0001	\$267.00
AFH4-50-0002	\$267.00
AFH4-52-0003	\$269.00
AFH4-52-0004	\$269.00
AFH4-55-0005	\$269.00
AFH4-55-0006	\$269.00
AFH4-57-0007	\$275.00
AFH4-57-0008	\$275.00
AFH4-60-0009	\$275.00
AFH4-60-0010	\$275.00
AFH4-62-0011	\$283.00
AFH4-62-0012	\$283.00
AFH4-65-0013	\$283.00
AFH4-65-0014	\$283.00
AFH4-67-0015	\$285.00
AFH4-67-0016	\$285.00
AFH4-70-0017	\$285.00
AFH4-70-0018	\$285.00
AFH4-72-0019	\$294.00
AFH4-72-0020	\$294.00
AFH4-75-0021	\$294.00
AFH4-75-0022	\$294.00
AFH4-77-0023	\$306.00
AFH4-77-0024	\$306.00
AFH4-80-0025	\$306.00
AFH4-80-0026	\$306.00
AFH4-82-0027	\$313.00
AFH4-82-0028	\$313.00
AFH4-85-0029	\$313.00
AFH4-85-0030	\$313.00
AFH4-87-0031	\$321.00
AFH4-87-0032	\$321.00
AFH4-90-0033	\$321.00
AFH4-90-0034	\$321.00
AFH4-92-0035	\$329.00
AFH4-92-0036	\$329.00
AFH4-95-0037	\$329.00
AFH4-97-0038	\$339.00
AFH4-100-0039	\$339.00
AFH4-102-0040	\$351.00
AFH4-105-0041	\$351.00
AFH4-107-0042	\$365.00
AFH4-110-0043	\$365.00
AFH4-112-0044	\$376.00
AFH4-115-0045	\$376.00
AFH4-117-0046	\$408.00
AFH4-120-0047	\$408.00
AFH4-122-0048	\$435.00
AFH4-125-0049	\$435.00
AFH4-127-0050	\$458.00
AFH4-130-0051	\$458.00
AFH4-132-0052	\$481.00
AFH4-135-0053	\$481.00
AFH4-137-0054	\$521.00
AFH4-140-0055	\$521.00

Over 14" diameter add \$17.80. of dia.

Pricing with standard Type S Screw Terminals

- Type S** Screw TerminalsN/C
- Type B** Terminal Box . . . \$22.65
- Type BA** Terminal Box
prewired and fitted w/12"
Armor Cable \$46.45
Per add'l 6" \$8.35
- Type M7** Terminal Enclosure
Each \$346.00
- Type C** Cooling Tubes
2 1/2", 3" or 4" Wide . .add 35%

- Type I** \$111.00
- Type L** \$22.65
- Armour Cable** . . .1st 12" \$83.35
Per add'l 6" \$11.95
- Braided Leads** . .1st 12" \$66.65
Per add'l 6" \$11.95
- Type P** Probe Holes 3/8"
Diameter Max \$17.55
- Partial Band Heater . . . Add 15%
. to base price

MIGHTY-MISER® CERAMIC BAND HEATERS

INSIDE DIAMETER	WIDTH												
	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	9	10
2	86.85	86.85	92.65	96.15	109.00	109.00	128.00	128.00					
2-1/2	89.15	89.15	96.15	103.10	117.00	125.00	136.00	136.00	143.00				
3	73.00	73.00	78.75	81.10	92.65	97.30	100.35	110.00	115.00	133.00			
3-1/2	76.45	76.45	79.95	84.55	97.30	106.00	119.00	115.00	123.00	142.00	160.00		
4	78.75	78.75	82.25	89.15	103.10	112.00	119.00	131.00	135.00	154.00	179.00	206.00	238.00
4-1/2	79.95	79.95	89.15	92.65	110.00	119.00	126.00	137.00	144.00	165.00	189.00	219.00	251.00
5	75.30	75.30	90.30	96.15	116.00	125.00	133.00	145.00	155.00	177.00	201.00	235.00	269.00
5-1/2	86.85	86.85	92.65	103.10	123.00	133.00	142.00	155.00	167.00	189.00	215.00	250.00	286.00
6	90.30	90.30	97.30	109.00	131.00	142.00	154.00	166.00	180.00	205.00	228.00	267.00	305.00
6-1/2	93.85	93.85	106.00	116.00	139.00	151.00	160.00	177.00	191.00	217.00	243.00	284.00	324.00
7	100.75	100.75	112.00	123.00	147.00	163.00	170.00	189.00	205.00	231.00	261.00	302.00	344.00
7-1/2	106.00	106.00	116.00	131.00	153.00	168.00	181.00	202.00	218.00	247.00	282.00	324.00	365.00
8	112.00	112.00	125.00	138.00	165.00	180.00	192.00	215.00	231.00	264.00	304.00	346.00	380.00
8-1/2	119.00	119.00	131.00	146.00	177.00	189.00	203.00	226.00	247.00	283.00	327.00	369.00	411.00
9	125.00	125.00	140.00	155.00	187.00	202.00	213.00	240.00	263.00	306.00	350.00	390.00	435.00
9-1/2	131.00	131.00	145.00	160.00	194.00	208.00	225.00	254.00	279.00	329.00	361.00	414.00	457.00
10	137.00	137.00	151.00	167.00	204.00	219.00	237.00	267.00	293.00	347.00	394.00	437.00	481.00
10-1/2	144.00	144.00	160.00	179.00	215.00	231.00	249.00	283.00	309.00	373.00	417.00	461.00	508.00
11	153.00	153.00	167.00	184.00	226.00	242.00	262.00	297.00	327.00	394.00	444.00	486.00	541.00
11-1/2	159.00	159.00	176.00	194.00	238.00	255.00	273.00	312.00	356.00	414.00	462.00	515.00	564.00
12	167.00	167.00	184.00	203.00	250.00	267.00	287.00	329.00	361.00	432.00	483.00	539.00	591.00
13	181.00	181.00	201.00	218.00	272.00	290.00	312.00	356.00	392.00	472.00	521.00	585.00	642.00
14	195.00	195.00	215.00	235.00	291.00	312.00	336.00	385.00	423.00	504.00	561.00	630.00	690.00
15	208.00	208.00	229.00	251.00	312.00	334.00	360.00	407.00	452.00	543.00	601.00	676.00	739.00
16	224.00	224.00	245.00	267.00	333.00	334.00	385.00	437.00	480.00	578.00	642.00	721.00	788.00
17	237.00	237.00	260.00	287.00	353.00	378.00	408.00	462.00	510.00	614.00	681.00	760.00	837.00
18	250.00	250.00	276.00	301.00	374.00	401.00	431.00	494.00	541.00	649.00	721.00	810.00	887.00
19	263.00	263.00	292.00	317.00	394.00	423.00	455.00	520.00	571.00	687.00	760.00	855.00	936.00
20	278.00	278.00	306.00	334.00	414.00	445.00	478.00	546.00	601.00	721.00	800.00	898.00	984.00
*	15.10	15.10	17.40	17.40	23.20	24.40	26.70	30.15	32.45	38.25	41.70	46.35	52.15

*Over 20" add per inch of diameter. Use price of next larger size for in-between sizes. Maximum I.D., Full Band 18". Maximum I.D., Half Band 36".

**Consult Ogden

OPTIONS FOR MIGHTY-MISER® CERAMIC BAND HEATERS

CATALOG FIGURE						
Fig. A	Fig. B	Fig. C	Fig. D	Fig. F	Fig. L	Fig. P
1st 12" \$12.05	\$13.65	Fig. A + Plug Price	1st 12" \$7.75	\$9.20	1st 12" \$8.55	\$33.35
Per add'l 6" \$3.25		from Table 3 page 7	Per add'l 6" \$2.55		Per add'l 6" \$2.95	

Fig. S is standardN/C
 Dual Voltage or 3 phase (Terminals or Leads)\$21.50
 Probe Hole-1" Dia. & Less\$20.35
 Half Ceramic Band Heateradd 15% to base price
 Double Layer Insulationadd 10% to base price
 Fig. R Spring Loaded Assembly\$19.20
 Fig. N Quick Release Assembly\$9.90
 Fig. E Standard Mounting FlangeN/C
 Fig. ES Spring Loaded Mounting Flange\$18.05
 Fig. F with Fig. B Box Cover\$23.80

Ground Wire or Terminal (1st 12")\$13.40
 Per add'l 6"\$5.25
 Mighty-Miser Maxi Insulated Ceramic Band Heater . . .add 25% to base price
 Perforated Shroudadd 15% to base price
 2 Zone\$22.65
 Stainless Steel Shroudadd 25% to base price

MICA BAND HEATERS

INSIDE DIAMETER	WIDTH						
	1 and 1 1/2	2	2 1/2	3	4	5	6
1	34.00	34.35	35.90	37.65	42.25	48.70	53.85
1-1/2	34.00	34.35	35.90	37.65	42.25	48.70	53.85
2	34.35	35.90	38.05	39.40	51.90	55.90	58.30
2-1/2	35.90	37.65	39.40	40.75	53.40	58.65	62.25
3	37.65	40.00	40.95	43.60	55.65	61.95	66.23
3-1/2	39.40	42.25	43.60	47.20	60.05	67.85	71.85
4	41.25	45.00	46.65	50.50	64.30	72.60	77.80
4-1/2	43.20	47.45	48.90	53.50	68.15	78.05	84.15
5	45.40	49.55	52.25	56.95	72.60	83.45	90.30
5-1/2	47.20	51.55	54.30	59.95	76.55	88.50	96.35
6	48.70	54.30	57.35	63.30	80.30	93.75	102.50
6-1/2	50.70	57.25	60.20	66.55	84.55	99.15	109.00
7	52.45	59.05	63.30	69.55	88.95	104.40	116.00
7-1/2	53.85	61.75	65.70	72.60	93.10	110.00	121.00
8	55.90	64.30	68.45	75.90	97.20	116.00	128.00
8-1/2	57.75	66.55	71.55	79.45	101.35	121.00	134.00
9	59.95	68.45	74.05	82.50	106.00	126.00	140.00
9- 1/2	61.85	71.30	77.15	85.90	111.00	132.00	150.00
10	63.50	73.95	79.75	89.05	115.00	136.00	153.00
*	4.45	5.00	6.05	6.95	9.00	10.85	12.70

*Over 10" add per inch of diameter. In-between sizes use price of next larger size. Maximum I.D., Full Band 21-1/2". Half Band 43-1/2". Minimum I.D is 1".

MICA BAND HEATER OPTIONS

Wider than 6", less than 3" ID . \$29.30 plus \$1.20 per add'l. sq. in.
 Wider than 6", 3" - 4-1/2" ID . \$15.25 plus \$1.20 per add'l. sq. in.
 Wider than 6", over 4-1/2" ID . \$1.20 per add'l. sq. in.

- Fig. 1** Lead Wire 1st 12" N/C
 Per add'l 6" \$1.80
 Lead wire not recommended over 10 AMPS
 Use Screw Terminals or Consult Factory
- Fig. T1, T2, T3, B1, B2, B3**, Screw Terminals N/C
- Fig. 3** Braided Lead Wire 1st 12" \$9.00
 Per add'l 6" \$3.50
- Fig. 4** Lead Wire 1st 12" \$5.20
 Per add'l 6" \$1.70
- Fig. 5** Lead Wire 1st 12" \$5.20
 Per add'l 6" \$1.70
- Fig. 6** Armor Cable 1st 12" \$16.50
 Per add'l 6" \$3.85
- Fig. 7** Braided Lead Wire 1st 12" \$9.00
 Per add'l 6" \$2.85
- Fig. 7P** Twist Lock Plug Fig. 6 price +
 Plug price table 3
- Fig. 8** Mounting Flange N/C
- Fig. 9** Mounting Strap N/C
 Hose Clamp (Less than 3" ID) Subtract 0.60
 No Strap Subtract 1.10
 Punch Lock Strap N/C
- Fig. 10** By Pass Strap N/C
- Fig. 11** Wedge Mount \$12.45
- Fig. 12** Hinged Band \$9.95 + \$2.00 per inch
 of width to Half Band price
- Fig. 14** Half Band Add 15% to base price
- Fig. 15** T/C Probe Hole in Gap \$9.10
- Fig. 16** Braided Lead Wire 1st 12" \$9.00
 Per add'l 6" \$2.85

- Fig. 17** Split Case Add to Base Price \$6.05
- Fig. 18** Mounting Assembly less than 3" Width \$6.40
 Mounting Assembly greater than 3" Width \$12.95
- Fig. 19** Mounting Assembly less than 3" Width \$7.65
 Mounting Assembly greater than 3" Width \$14.70
- Fig. 20** Mounting Assembly \$10.05
- Fig. 21** Spring Loaded Assembly \$16.60
 Rectangular or Segmented Band
 Heaters Consult Ogden
- High Temperature European Style Plug
 Fig 110 \$43.80
 Fig 115 \$44.55
 Fig. GQ8 Receptacle (PC4396-1) \$29.20
 Fig. GQ8 Receptacle (PC4396-3) \$44.90
- Stainless Steel Sheath Add 25% to base price
 Spring Guard on Fig. 5 leads \$10.50
 Three Terminal/Dual Voltage \$11.30
 Ground Wire 1st 12" \$5.45
 Per add'l 6" \$1.20
- Terminal Box \$12.95
 Ceramic Terminal Cover (PC4379-2; PC4380-1) \$2.50
 Monel Sheath Consult Ogden
 Spring Guard \$10.25
 Special cut-outs & holes in heated section (2-1/2" dia. or less)
 edge of hole to edge of heater must be 1/2" or more \$17.70
 For greater than 2-1/2" diameter Consult Factory
 Notch in gap \$11.30
 Internal Heating (Reverse Construction) \$51.80
 Wattage Distribution Add 15% to base price
 T-Clip \$4.45
 3 pc. Construction Add 25% to base price
 Built-in Thermocouple 1st 12" 22.55
 t/c leads - Per add'l 6" 1.05

Note: For voltages over 277 Consult Factory. Additional charges may apply.

SECTION II - INSERTION HEATERS

MIGHTY WATT® AND MIGHTY WATT PLUS® CARTRIDGE HEATERS

		DIAMETER						
L E N G T H		1/8	1/4	3/8	1/2	5/8	3/4	1
	1-1/2 & Less	33.55	29.75	28.90	30.35	**	**	**
	2	34.60	29.90	27.45	29.00	35.40	39.50	**
	2-1/2	35.25	30.55	28.45	30.45	34.35	38.35	**
	3	37.55	32.35	29.90	32.60	35.70	41.35	61.65
	3-1/2	39.70	34.60	32.35	35.10	37.25	44.50	66.30
	4	42.80	37.25	33.80	36.95	38.70	47.70	72.90
	4-1/2	45.25	39.15	36.15	38.70	42.05	50.70	78.00
	5	47.80	41.25	38.35	41.35	44.15	53.55	82.05
	5-1/2	49.95	43.50	40.80	43.50	46.95	56.40	86.50
	6	54.05	45.65	42.50	45.65	49.05	59.50	91.30
	6-1/2	55.85	47.30	44.05	47.70	51.10	62.30	95.50
	7	59.30	49.05	46.05	49.55	53.55	65.35	99.85
	7-1/2	61.95	51.50	48.20	51.95	55.50	70.00	108.00
	8	66.00	52.85	50.30	54.40	58.20	71.70	111.00
	8-1/2	66.65	54.75	51.95	56.00	59.50	74.25	116.00
	9	69.75	56.40	53.55	57.75	61.75	77.45	119.00
9-1/2	72.55	58.20	54.75	59.10	62.90	80.45	123.00	
10	75.70	59.90	56.00	60.20	64.95	83.50	128.00	
10-1/2	78.45	60.95	56.95	61.75	67.10	86.60	134.00	
11	81.05	62.65	59.10	63.20	68.35	89.85	139.00	
11-1/2	84.35	63.65	60.20	64.55	70.00	93.05	143.00	
12	88.25	65.75	61.75	66.45	72.25	94.80	146.00	
For Longer Length Add per inch	*	12-18" ..\$4.20 Over 18" ..\$5.40	12-18" ..\$3.55 Over 18" ..\$4.60	12-18" ..\$3.90 Over 18" ..\$4.60	12-18" ..\$4.10 Over 18" ..\$5.30	12-18" ..\$6.65 Over 18" ..\$7.05	12-18" ..\$9.90 Over 18" ..\$11.50	

For 1-1/4" diameter, add 15% to 1" price. For 5/16" diameter use 8mm. For sizes not shown, use next larger diameter.

*Consult Ogden for maximum cartridge heater length.

Note: Incoloy sheath is recommended for sheath watt densities greater than 50 w/sq/in; Refer to table 24T in the Ogden Catalog for sheath material compatibility.

BULLET CARTRIDGE HEATERS: See Mighty Watt

METRIC CARTRIDGE HEATERS

Standard Cartridge Heater Sheath Materials By Diameter

Dia (In)	Incoloy	304 SS	MW + Stock Mod
1/8"	X		
1/4"	X		X
5/16"	X		
3/8"	X	X	X
1/2"	X	X	X
5/8"	X	X	X
3/4"	X	X	X
1"	X	X	
1-1/4"	X	X	
Metric (mm)			
6	X		
6.5	X		
8	X		
10		X	
12	X		
12.5	X		
14		X	
15		X	
16	X		
19	X		
25		X	

		DIAMETER (MM)						
L E N G T H (MM)		6 or 6.5	8	10	12 or 12.5	14, 15, 16	19 or 20	25
	50	31.30	30.20	29.10	31.15	32.25	35.65	**
	60	33.05	31.85	30.50	32.15	33.35	37.85	**
	70	34.35	33.05	31.85	33.25	36.55	42.30	62.95
	80	35.35	34.35	33.05	35.85	37.50	44.40	66.20
	90	36.85	35.35	33.75	36.85	38.50	46.65	69.70
	100	38.05	36.30	34.55	37.60	39.60	48.75	74.45
	110	39.50	37.60	35.95	39.35	41.40	50.70	78.35
	120	41.90	39.90	37.50	40.90	43.30	52.80	82.40
	130	42.20	40.70	39.25	42.30	45.15	54.60	83.80
	140	44.15	42.75	41.20	44.40	46.65	56.80	88.35
	150	46.65	45.05	43.30	46.75	48.35	58.70	90.65
	160	47.75	46.25	44.40	48.05	51.35	60.65	93.20
	170	48.95	47.45	45.90	49.30	54.20	62.85	97.60
	180	50.05	48.55	47.00	50.60	54.60	66.65	102.05
	190	52.15	50.70	49.15	53.10	57.15	70.05	108.00
	200	54.00	52.70	51.50	55.50	59.35	73.20	113.00
210	56.00	54.20	52.60	56.80	60.55	75.15	119.00	
220	57.40	55.40	53.55	57.90	61.95	77.15	120.00	
230	57.70	56.10	54.60	58.90	63.05	79.10	122.00	
240	59.25	57.60	55.70	60.10	64.35	81.60	126.00	
250	60.75	58.90	57.15	61.35	65.80	84.35	132.00	
260	62.65	60.35	58.05	62.40	67.10	86.75	136.00	
270	63.35	61.35	59.25	63.60	68.50	89.35	140.00	
280	64.05	62.15	60.35	64.45	69.80	91.75	142.00	
290	65.55	63.85	62.05	66.20	71.80	94.30	145.00	
300	67.20	64.90	63.05	67.90	73.75	96.80	149.00	
For Longer Length Add per 10 mm	\$2.00	\$2.00	\$1.90	\$2.00	\$2.00	\$3.00	\$4.40	

MX - Internally connected, fully flexible leads\$3.20
See Tables 1-5 for pricing on optional configurations.

TABLE 1 - LEAD MODIFICATIONS

		CATALOG FIGURE*											
DIAMETER		X	R	D'	A'	G	F	E	T	Y	W	1B'	1C'
1/8 (no metric)	1st 12"							11.95					
	Per Add' 6"							2.35					
1/4 or 6.5mm	1st 12"	3.75	8.05	22.25	15.30	16.65	13.60	6.75			10.75	10.65	16.75
	Per Add' 6"	2.35	2.10	3.30	3.45	3.00	3.00	2.35				3.45	3.45
5/16 or 8mm	1st 12"	3.75	8.05	21.45	14.80	16.00	13.30				10.55	10.40	16.30
	Per Add' 6"	2.35	2.10	3.30	3.45	3.00	3.00					3.45	3.45
3/8 or 10mm	1st 12"	3.75	8.05	21.45	14.40	15.70	12.80	6.60	4.20		10.20	10.20	15.90
	Per Add' 6"	2.35	2.10	3.30	3.45	3.00	3.00	1.60	1.60			3.45	3.45
1/2 or 12.5mm	1st 12"	3.75	8.05	22.65	15.20	17.30	12.80	6.60	5.05	10.20	12.60	11.85	16.65
	Per Add' 6"	2.35	2.10	3.30	3.45	3.00	3.00	1.90	1.90			3.45	3.45
5/8 or 16mm	1st 12"	3.75	8.05	23.30	15.20	17.75	14.40	7.05	5.50	10.20	13.70	11.85	17.30
	Per Add' 6"	2.80	2.70	3.30	3.45	3.00	3.00	1.90	1.90			3.45	3.45
3/4 or 20mm	1st 12"	3.75	8.05	24.85	17.40	18.15	14.50	7.35	7.95	10.20	14.80	14.00	18.15
	Per Add' 6"	2.80	2.70	3.55	3.65	3.20	3.20	2.70	1.90			3.65	3.65
1 or 25 mm	1st 12"	3.75	11.10	29.50	20.45	21.25	17.75			11.40	10.20	15.90	
	Per Add' 6"	2.80	2.70	4.00	4.20	3.30	3.30		2.35				

*Only 1/4", 3/8", 1/2", 5/8" and 3/4" are available as Mighty Watt Plus®
 1 Stainless Steel Armor Cable.
 Fig T not available in 3/4" or 1 inch diameters along with 22mm and 25mm.
 Fig E requires addition of Fig U.

TABLE 2 - A LEADS

Additional Lead Length per 6"	
DIA	STANDARD (400 deg F/200 deg C)
1/8	\$1.60
1/4	\$1.60
5/16	\$1.60
3/8	\$1.60
1/2	\$1.60
5/8	\$1.60
3/4	\$1.60
1	\$1.60

MW SERIES with Standard Leads1st 12" N/C
 with High Temperature Leads1st 12" \$1.340
 Ground Wire1st 12" \$5.60
1/2 above table each add'l 6"
 Box and handle\$51.70
 T-Clip (Fig. F and X only)\$4.00
 Machined Groove\$5.30
 Mitered right angle sheath extension\$64.05
 Dual Voltage\$30.30
 RTV Seal / Varnished / Silicone Resin / Epoxy\$6.75
 Ceramic Bead Insulation Per 6" increment\$8.15
 MX with Internal Thermocouple up to 3" cartridge heater
 sheath length\$30.40
 Thermocouple junction grounded at disc end only
 Thermocouple junction ungrounded at any location along length
 each add'l inch or fraction over 3" length \$1.70
 1/4" MX with Internal Thermocoupleadd 15% to above prices
 Thermocouple Leads (12" standard)Per Add'l 6" \$0.90
 Fiberglass Sleeving
 One over each leadPer Add' 6" \$2.70
 One over both leadsPer Add' 6" \$2.00
 Spring guard\$9.00
 Special Wattage Distribution along length or 3 Phase
add 15% to base price
 Termination at each end (mas sheath length)\$12.40
 Special Cold Area at either end-specify lengthN/C
 Centerless grinding of sheath
 to precision diameter Set up charge \$81.90
 Less than 24V Ratingadd 20% to base price

TABLE 3 - PLUGS

NEMA	OGDEN	ATTACHED TO CABLE OR LEADS
L5-15P	PC4326-6	\$36.05
5-15P	PC4326-56	\$38.25
L5-20P	PC4326-25	\$36.05
L5-20R	PC4326-2	\$39.32
L5-30P	PC4326-58	\$36.05
L6-29P	PC4326-53	\$34.95
6-15P	PC4326-14	\$29.50

See Catalog Page 46 for plug descriptions.

TABLE 4 - FIG. U SHEATH EXTENSION

DIAMETER		
1/4	Up to 2-1/2"	\$7.65
1/4	each add'l 1/2"	\$2.20
3/8	Up to 2-1/2"	\$8.75
3/8	each add'l 1/2"	\$2.20
1/2	Up to 2-1/2"	\$8.75
1/2	each add'l 1/2"	\$2.20
5/8	Up to 2-1/2"	\$8.75
5/8	each add'l 1/2"	\$3.30
3/4	Up to 2-1/2"	\$9.85
3/4	each add'l 1/2"	\$3.30

TABLE 5 - IMMERSION HEATER WITH THREADED FITTING

*Add to Base Price

HEATER O.D.	BRASS			STAINLESS STEEL		
	M	MC*	N	M	MC*	N
1/4	13.15	18.95	22.95	17.20	22.95	31.40
5/16	14.50	20.25	28.40	18.95	25.80	34.65
3/8	14.50	20.25	37.40	18.95	25.80	34.65
1/2	18.05	23.55	30.75	22.00	28.55	36.30
5/8	20.75	25.80	32.45	33.75	40.45	47.00
3/4	23.65	29.40	35.55	36.85	50.85	64.35
1	26.25	33.05	39.90	41.70	57.40	68.80

* Add plug prices from TABLE 3.

SST & QST SPLIT SHEATH INSERTION HEATERS

		DIAMETER					
		3/8" (10 mm)	1/2" (12 or 12.5 mm)	5/8" (14, 15 or 16 mm)	11/16" (18 mm)	3/4" (20 mm)	1" (25 mm)
L E N G T H	4-1/2	39.65	41.55	45.00	50.65	55.55	85.30
	5	41.65	45.40	48.25	53.35	58.50	89.65
	5-1/2	44.50	47.60	50.95	56.20	61.75	94.75
	6	46.20	49.90	54.10	59.45	65.00	99.90
	6-1/2	48.25	52.30	55.55	61.90	67.90	105.00
	7	50.45	54.50	58.50	64.90	71.35	111.00
	7-1/2	52.65	56.80	60.60	68.65	76.60	119.00
	8	55.15	59.45	63.40	71.60	78.30	122.00
	8-1/2	56.80	61.10	65.00	73.15	81.05	126.00
	9	58.50	63.00	66.65	76.05	84.60	131.00
	9-1/2	60.05	64.65	68.80	78.40	87.95	136.00
	10	61.10	66.15	70.85	80.95	91.20	141.00
10- 1/2	62.35	67.50	73.35	84.05	94.65	148.00	
11	64.65	69.15	74.70	86.30	98.55	153.00	
11-1/2	65.80	70.50	76.50	89.15	101.60	157.00	
12	67.50	72.45	78.90	91.30	104.00	161.00	
For longer length add per inch		4.00	4.10	4.50	6.00	7.55	10.90

ADD 15% TO ABOVE PRICES FOR QST -QUAD SPLIT SHEATH INSERTION HEATERS.
CONSULT OGDEN FOR OTHER AVAILABLE DIAMETERS INCLUDING METRIC.

TABLE 6 - LEAD VARIATIONS

DIAMETER		CATALOG FIGURE							
		High Temperature Leads XS		YS	AS	DS	FS	GS	WS
3/8" (10 mm)	1st 12"	1.70		11.65	18.05	25.45	14.80	21.70	14.55
	Per Add'l 6"	2.65			400	4.00	3.55	3.25	
1/2" (12 or 1.5 mm)	1st 12"	1.60		11.65	19.35	27.60	14.80	22.60	14.55
	Per Add'l 6"	2.65			400	4.00	3.55	3.25	
5/8" (14, 15 or 16mm)	1st 12"	1.60		11.65	19.35	29.90	16.65	26.55	15.65
	Per Add'l 6"	3.15			400	4.00	3.55	3.25	
11/16" (18 mm)	1st 12"	1.60		11.65	20.35	30.15	16.75	26.70	16.45
	Per Add'l 6"	3.15			4.20	4.20	3.70	3.70	
3/4" (20 mm)	1st 12"	1.60		11.65	21.70	30.40	16.75	26.80	16.90
	Per Add'l 6"	3.15			4.20	4.20	3.70	3.70	
1" (25 mm)	1st 12"	1.60		11.65	25.55	35.85	19.80	31.60	18.05
	Per Add'l 6"	3.15			4.95	4.95	3.90	3.90	

BOLT HEATERS

BHS-1119	256.00	BHS-1522	315.00
BHS-1125	280.00	BHS-1528	369.00
BHS-1131	347.00	BHS-1534	424.00
BHS-1143	492.00	BHS-1546	528.00
BHS-1155	574.00	BHS-1558	666.00
BHS-1167	699.00	BHS-1570	804.00
BHS-1319	286.00	BHS-1022	315.00
BHS-1325	327.00	BHS-1028	403.00
BHS-1331	381.00	BHS-1034	541.00
BHS-1343	528.00	BHS-1046	679.00
BHS-1355	688.00	BHS-1058	918.00
BHS-1367	836.00	BHS-1070	1109.00

Contact Ogden for other items or dimensions. CBH model construction differs from BHS. Check Ogden for Pricing.

SECTION III - PROCESS ELECTRIC HEATERS

TUBULAR PRICING AND OPTIONS

PRICE PER INCH

Sheath Material	Sheath Length	Sheath Diameter					
		0.25	0.312	0.375	.430/ .437	.475/ .490	0.625
INCOLOY	Up to 144"	1.30	1.30	1.50	1.60	2.00	2.30
	Over 144"		1.50	1.60	1.70	2.10	2.45
Stainless Steel	Up to 144"	1.15	1.30	1.50	1.50	1.70	2.20
	Over 144"		1.30	1.50	1.60	1.90	2.20
316 Stainless Steel	Up to 144"		1.50		1.60	2.00	
	Over 144"		1.50		1.70	2.00	
Copper	Up to 144"	1.05	1.15	1.30	1.50	1.60	
	Over 144"		1.30	1.50	1.50	1.60	
Steel	Up to 144"	1.05	1.15	1.30	1.30	1.50	
	Over 144"		1.30	1.30	1.30	1.50	

Non-Stock Items **6 pc. Minimum**
 Flat or Triangular Cross Section Per 6" length \$3.70
 Lot Set-up \$37.20
 Locator Rings \$9.65
 Cold Ends Longer than 6" \$3.05
 per inch per end
 Mighty Blade® Heater Consult Ogden
 Wattage Distribution on Tubular Add 30% to base price
 Mounting Brackets 3-1/2" x 1-1/2" 16 ga. stn. stl. w/2 mtg holes \$19.95

BASE PRICE	SL	SL
	UP TO 144"	144" & Over
1 min. - 5 pcs	(\$23.35*6)/Qty	(\$37.95*6)/Qty
6 min. - 11 pcs	\$25.50	\$41.10
12 min. - 17 pcs	\$13.00	\$20.40
18 min. - 23 pcs	\$8.70	\$13.95
24 min. - 29 pcs	\$6.75	\$10.25
30 min. - 49 pcs	\$5.30	\$8.40
50 pcs & over	\$3.35	\$5.05

TERMINATIONS

Plain Pin	.....	N/C
Screw Terminals (Fig. 1 & 2)	.....	\$9.65
Stainless Steel Terminals	.....	\$12.90
Flag Terminals (Fig. 3 & 4)	.....	\$5.05
R.A. Flag Terminals (Fig. 5)	.....	\$6.20
Quick Connect (Fig. 6 & 7)	.....	\$3.05
Lead Wire (Fig. 8)	.....	\$8.50
Additional Length	Per 12"	\$3.05
Epoxy or RTV Seal (Fig.9)	.....	\$7.45
Rubber Mold (Fig. 10)	.....
	.250" dia.	\$23.00
	.312" dia.	\$26.95
	.430" dia.	\$30.10
Additional Length	Per 12"	\$3.05
Hermetic Seals (Fig. 11)	.....
	.250" dia.	\$84.10
	.312" dia.	\$84.10
	.430" dia.	\$89.10
	.475" dia.	\$94.80

BENDING CHARGE

Price per Bend	.....	\$3.60
Lot Set-up per Bend	..... (# Bends * \$19.65)/Qty	

BULKHEAD FITTINGS

Size	Brass	Stn. Stl.	Steel
1/2 -20	\$16.35	\$30.70	\$23.70
5/8 -18	\$22.75	\$37.20	\$30.10
3/4 -16	\$27.80	\$48.35	\$38.25

TUBULAR HEATERS*

STRAIGHT TUBULAR HEATERS

.475 DIAMETER INCOLOY

A2X-1132	.....	\$59.70	A5X-1172	.....	\$130.00
A2X-1133	.....	\$59.70	A5X-1173	.....	\$130.00
A2X-1134	.....	\$59.70	A6X-1174	.....	\$148.00
A2X-1135	.....	\$64.90	A6X-1175	.....	\$148.00
A2X-1136	.....	\$64.90	A6X-1176	.....	\$148.00
A2X-1137	.....	\$64.90	A6X-1177	.....	\$148.00
A2X-1138	.....	\$73.45	A6X-1178	.....	\$148.00
A2X-1139	.....	\$73.45	A6X-1179	.....	\$148.00
A2X-1140	.....	\$73.45	A7X-1180	.....	\$175.00
A3X-1141	.....	\$80.55	A7X-1181	.....	\$175.00
A3X-1142	.....	\$80.55	A7X-1182	.....	\$175.00
A3X-1143	.....	\$80.55	A7X-1183	.....	\$175.00
A3X-1144	.....	\$94.65	A7X-1184	.....	\$175.00
A3X-1145	.....	\$94.65	A7X-1185	.....	\$175.00
A3X-1146	.....	\$94.65	A8X-1186	.....	\$201.00
A3X-1147	.....	\$94.65	A8X-1187	.....	\$201.00
A3X-1148	.....	\$94.65	A8X-1188	.....	\$201.00
A3X-1149	.....	\$94.65	A8X-1189	.....	\$201.00
A4X-1150	.....	\$101.55	A8X-1190	.....	\$201.00
A4X-1151	.....	\$101.55	A8X-1191	.....	\$201.00
A4X-1152	.....	\$101.55	A10X-1192	.....	\$227.00
A4X-1153	.....	\$101.55	A10X-1193	.....	\$227.00
A4X-1154	.....	\$101.55	A10X-1194	.....	\$227.00
A4X-1155	.....	\$101.55	A10X-1195	.....	\$227.00
A4X-1156	.....	\$113.00	A10X-1196	.....	\$227.00
A4X-1157	.....	\$113.00	A10X-1197	.....	\$227.00
A4X-1158	.....	\$113.00	A10X-1198	.....	\$253.00
A4X-1159	.....	\$113.00	A10X-1199	.....	\$253.00
A4X-1160	.....	\$113.00	A10X-1200	.....	\$253.00
A4X-1161	.....	\$113.00	A10X-1201	.....	\$253.00
A5X-1162	.....	\$120.00	A10X-1202	.....	\$253.00
A5X-1163	.....	\$120.00	A10X-1203	.....	\$253.00
A5X-1164	.....	\$120.00			
A5X-1165	.....	\$120.00	.430 DIAMETER INCOLOY		
A5X-1166	.....	\$120.00	E2X-0870	.....	\$52.10
A5X-1167	.....	\$120.00	E2X-0871	.....	\$52.10
A5X-1168	.....	\$130.00	E2X-0872	.....	\$52.10
A5X-1169	.....	\$130.00	E2X-0873	.....	\$66.05
A5X-1170	.....	\$130.00	E2X-0874	.....	\$66.05
A5X-1171	.....	\$130.00	E2X-0875	.....	\$66.05
			E3X-0876	.....	\$79.70

E3X-0877	.....	\$79.70	J3X-0946	.....	\$70.95
E3X-0878	.....	\$79.70	J4X-0947	.....	\$78.70
E4X-0879	.....	\$93.70	J4X-0948	.....	\$78.70
E4X-0880	.....	\$93.70	J4X-0949	.....	\$86.35
E4X-0881	.....	\$93.70	J4X-0950	.....	\$86.35
E5X-0882	.....	\$108.00	J5X-0951	.....	\$94.20
E5X-0883	.....	\$108.00	J5X-0952	.....	\$94.20
E5X-0884	.....	\$108.00	J5X-0953	.....	\$101.75
E6X-0885	.....	\$123.00	J5X-0954	.....	\$101.75
E6X-0886	.....	\$123.00	J6X-0955	.....	\$121.00
E6X-0887	.....	\$123.00	J6X-0956	.....	\$121.00
E7X-0888	.....	\$136.00	J7X-0957	.....	\$140.00
E7X-0889	.....	\$136.00	J7X-0958	.....	\$140.00
E7X-0890	.....	\$136.00	J8X-0959	.....	\$158.00
E8X-0891	.....	\$165.00	J8X-0960	.....	\$158.00
E8X-0892	.....	\$165.00			
E8X-0893	.....	\$165.00	.312 DIAMETER INCOLOY		
E10X-0894	.....	\$192.00	O1X-1158	.....	\$42.55
E10X-0895	.....	\$192.00	O1X-1159	.....	\$42.55
E10X-0896	.....	\$192.00	O1X-1160	.....	\$42.55

.375 DIAMETER INCOLOY

J1X-0927	.....	\$47.75	O2X-1162	.....	\$46.40
J1X-0928	.....	\$47.75	O2X-1163	.....	\$46.40
J1X-0929	.....	\$47.75	O2X-1164	.....	\$46.40
J1X-0930	.....	\$47.75	O2X-1165	.....	\$46.40
J2X-0931	.....	\$53.10	O2X-1166	.....	\$52.10
J2X-0932	.....	\$53.10	O2X-1167	.....	\$52.10
J2X-0933	.....	\$53.10	O2X-1168	.....	\$52.10
J2X-0934	.....	\$53.10	O2X-1169	.....	\$52.10
J2X-0935	.....	\$60.60	O2X-1170	.....	\$57.75
J2X-0936	.....	\$60.60	O2X-1171	.....	\$57.75
J2X-0937	.....	\$60.60	O2X-1172	.....	\$57.75
J2X-0938	.....	\$60.60	O2X-1173	.....	\$57.75
J3X-0939	.....	\$65.80	O3X-1174	.....	\$62.15
J3X-0940	.....	\$65.80	O3X-1175	.....	\$62.15
J3X-0941	.....	\$65.80	O3X-1176	.....	\$66.45
J3X-0942	.....	\$65.80	O3X-1177	.....	\$66.45
J3X-0943	.....	\$70.95	O3X-1178	.....	\$70.95
J3X-0944	.....	\$70.95	O3X-1179	.....	\$70.95
J3X-0945	.....	\$70.95	O4X-1180	.....	\$75.35
			O4X-1181	.....	\$75.35

O4X-1182	.....	\$79.70
O4X-1183	.....	\$79.70
O5X-1184	.....	\$91.20
O5X-1185	.....	\$91.20
O6X-1186	.....	\$101.75
O6X-1187	.....	\$101.75
O7X-1188	.....	\$114.00
O7X-1189	.....	\$114.00
O8X-1190	.....	\$125.00
O8X-1191	.....	\$125.00

.250 DIAMETER INCOLOY

S1X-0387	.....	\$36.70
S1X-0389	.....	\$36.70
S1X-0392	.....	\$40.60
S1X-0393	.....	\$40.60
S1X-0394	.....	\$40.60
S1X-0395	.....	\$40.60
S2X-0396	.....	\$44.75
S2X-0397	.....	\$44.75
S2X-0398	.....	\$44.75
S2X-0399	.....	\$44.75
S2X-0400	.....	\$48.90
S2X-0401	.....	\$48.90
S2X-0402	.....	\$48.90
S2X-0403	.....	\$48.90
S2X-0405	.....	\$53.10
S2X-0406	.....	\$53.10
S2X-0407	.....	\$53.10
S2X-0408	.....	\$53.10
S3X-0409	.....	\$56.80
S3X-0410	.....	\$56.80
S3X-0411	.....	\$61.05
S3X-0412	.....	\$61.05
S3X-0413	.....	\$65.30
S3X-0414	.....	\$65.30
S4X-0415	.....	\$70.20
S4X-0416	.....	\$70.20
S4X-0417	.....	\$75.15
S4X-0418	.....	\$75.15
S5X-0419	.....	\$85.20
S5X-0420	.....	\$85.20
S6X-0421	.....	\$95.35
S6X-0422	.....	\$95.35
S7X-0423	.....	\$106.00
S7X-0424	.....	\$106.00

*Pricing is for Fig 1 terminals - Consult Factory for other terminal configurations and options.

*Non-Stock Items - 6 Piece Minimum

FINNED TUBULAR HEATERS

TYPE 1

FD2X-0460	.....	\$89.65
FD2X-0461	.....	\$89.65
FD3X-0467	.....	\$110.00
FD3X-0468	.....	\$110.00
FD4X-0473	.....	\$128.00
FD4X-0474	.....	\$128.00
FD4X-0480	.....	\$149.00
FD4X-0481	.....	\$149.00
FD5X-0486	.....	\$166.00
FD5X-0487	.....	\$166.00
FD6X-0492	.....	\$184.00
FD6X-0493	.....	\$184.00
FD7X-0498	.....	\$202.00
FD7X-0499	.....	\$202.00
FD8X-0504	.....	\$221.00
FD8X-0505	.....	\$221.00
FD9X-0510	.....	\$237.00
FD9X-0511	.....	\$237.00
FD2X-0463	.....	\$89.65
FD2X-0464	.....	\$89.65
FD3X-0469	.....	\$110.00
FD3X-0470	.....	\$110.00
FD4X-0475	.....	\$128.00
FD4X-0476	.....	\$128.00
FD4X-0482	.....	\$149.00
FD4X-0483	.....	\$149.00
FD5X-0488	.....	\$166.00
FD5X-0489	.....	\$166.00
FD6X-0494	.....	\$184.00
FD6X-0495	.....	\$184.00
FD7X-0500	.....	\$202.00
FD7X-0501	.....	\$202.00
FD8X-0506	.....	\$221.00
FD8X-0507	.....	\$221.00
FD9X-0512	.....	\$237.00
FD9X-0513	.....	\$237.00
FD2X-0465	.....	\$89.65
FD2X-0466	.....	\$89.65
FD3X-0471	.....	\$110.00
FD3X-0472	.....	\$110.00
FD4X-0478	.....	\$128.00
FD4X-0479	.....	\$128.00
FD4X-0484	.....	\$149.00
FD4X-0485	.....	\$149.00
FD5X-0490	.....	\$166.00
FD5X-0491	.....	\$166.00
FD6X-0496	.....	\$184.00
FD6X-0497	.....	\$184.00
FD7X-0502	.....	\$202.00
FD7X-0503	.....	\$202.00
FD8X-0508	.....	\$221.00
FD8X-0509	.....	\$221.00
FD9X-0514	.....	\$237.00
FD9X-0515	.....	\$237.00

TYPE 2

FD2Y-0516	.....	\$128.00
FD2Y-0517	.....	\$128.00
FD3Y-0522	.....	\$147.00
FD3Y-0523	.....	\$147.00
FD4Y-0528	.....	\$166.00
FD4Y-0529	.....	\$166.00
FD4Y-0534	.....	\$182.00
FD4Y-0536	.....	\$182.00
FD5Y-0541	.....	\$202.00
FD5Y-0542	.....	\$202.00
FD6Y-0547	.....	\$221.00
FD6Y-0548	.....	\$221.00
FD7Y-0553	.....	\$239.00
FD7Y-0554	.....	\$239.00
FD8Y-0559	.....	\$257.00
FD8Y-0560	.....	\$257.00
FD9Y-0565	.....	\$274.00
FD9Y-0566	.....	\$274.00
FD2Y-0518	.....	\$128.00
FD2Y-0519	.....	\$128.00
FD3Y-0524	.....	\$147.00
FD3Y-0525	.....	\$147.00
FD4Y-0530	.....	\$166.00
FD4Y-0531	.....	\$166.00

FD4Y-0537	.....	\$182.00
FD4Y-0538	.....	\$182.00
FD5Y-0543	.....	\$202.00
FD5Y-0544	.....	\$202.00
FD6Y-0549	.....	\$221.00
FD6Y-0550	.....	\$221.00
FD7Y-0555	.....	\$239.00
FD7Y-0556	.....	\$239.00
FD8Y-0561	.....	\$257.00
FD8Y-0562	.....	\$257.00
FD9Y-0567	.....	\$274.00
FD9Y-0568	.....	\$274.00
FD2Y-0520	.....	\$128.00
FD2Y-0521	.....	\$128.00
FD3Y-0526	.....	\$147.00
FD3Y-0527	.....	\$147.00
FD4Y-0532	.....	\$166.00
FD4Y-0533	.....	\$166.00
FD4Y-0539	.....	\$182.00
FD5Y-0540	.....	\$182.00
FD5Y-0545	.....	\$202.00
FD5Y-0546	.....	\$202.00
FD5Y-0551	.....	\$221.00
FD5Y-0552	.....	\$221.00
FD7Y-0557	.....	\$239.00
FD7Y-0558	.....	\$239.00
FD8Y-0563	.....	\$257.00
FD8Y-0564	.....	\$257.00
FD9Y-0569	.....	\$274.00
FD9Y-0539	.....	\$274.00

TYPE 3

FD2W-0571	.....	\$98.70
FD2W-0572	.....	\$98.70
FD3W-0577	.....	\$119.00
FD3W-0578	.....	\$119.00
FD4W-0583	.....	\$138.00
FD4W-0584	.....	\$138.00
FD4W-0589	.....	\$155.00
FD4W-0590	.....	\$155.00
FD5W-0595	.....	\$174.00
FD5W-0596	.....	\$174.00
FD6W-0601	.....	\$193.00
FD6W-0602	.....	\$193.00
FD7W-0607	.....	\$211.00
FD7W-0608	.....	\$211.00
FD8W-0613	.....	\$230.00
FD8W-0614	.....	\$230.00
FD9W-0619	.....	\$246.00
FD9W-0620	.....	\$246.00
FD2W-0573	.....	\$98.70
FD2W-0574	.....	\$98.70
FD3W-0579	.....	\$119.00
FD3W-0580	.....	\$119.00
FD4W-0585	.....	\$138.00
FD4W-0586	.....	\$138.00
FD4W-0591	.....	\$155.00
FD4W-0592	.....	\$155.00
FD4W-0597	.....	\$174.00
FD4W-0598	.....	\$174.00
FD6W-0603	.....	\$193.00
FD6W-0604	.....	\$193.00
FD7W-0609	.....	\$211.00
FD7W-0610	.....	\$211.00
FD8W-0615	.....	\$230.00
FD8W-0597	.....	\$230.00
FD9W-0621	.....	\$246.00
FD9W-0622	.....	\$246.00
FD2W-0575	.....	\$98.70
FD2W-0576	.....	\$98.70
FD3W-0581	.....	\$119.00
FD3W-0582	.....	\$119.00
FD4W-0587	.....	\$138.00
FD4W-0588	.....	\$138.00
FD4W-0593	.....	\$155.00
FD4W-0594	.....	\$155.00
FD5W-0599	.....	\$174.00
FD5W-0600	.....	\$174.00
FD6W-0605	.....	\$193.00
FD6W-0606	.....	\$193.00
FD7W-0611	.....	\$211.00
FD7W-0612	.....	\$211.00
FD8W-0617	.....	\$230.00
FD8W-0618	.....	\$230.00

FD9W-0623	.....	\$246.00
FD9W-0624	.....	\$246.00

TYPE 4

FD2Z-0625	.....	\$138.00
FD2Z-0626	.....	\$138.00
FD3Z-0631	.....	\$154.00
FD3Z-0632	.....	\$154.00
FD4Z-0637	.....	\$172.00
FD4Z-0638	.....	\$172.00
FD4Z-0643	.....	\$193.00
FD4Z-0644	.....	\$193.00
FD5Z-0649	.....	\$211.00
FD5Z-0650	.....	\$211.00
FD6Z-0655	.....	\$229.00
FD6Z-0656	.....	\$229.00
FD7Z-0661	.....	\$248.00
FD7Z-0662	.....	\$248.00
FD8Z-0667	.....	\$266.00
FD8Z-0668	.....	\$266.00
FD9Z-0673	.....	\$285.00
FD9Z-0674	.....	\$285.00
FD2Z-0627	.....	\$138.00
FD2Z-0628	.....	\$138.00
FD3Z-0633	.....	\$154.00
FD3Z-0634	.....	\$154.00
FD4Z-0639	.....	\$172.00
FD4Z-0640	.....	\$172.00
FD4Z-0645	.....	\$193.00
FD4Z-0646	.....	\$193.00
FD5Z-0651	.....	\$211.00
FD5Z-0652	.....	\$211.00
FD6Z-0657	.....	\$229.00
FD6Z-0658	.....	\$229.00
FD7Z-0663	.....	\$248.00
FD7Z-0664	.....	\$248.00
FD8Z-0669	.....	\$266.00
FD8Z-0670	.....	\$266.00
FD9Z-0675	.....	\$285.00
FD9Z-0676	.....	\$285.00
FD2Z-0629	.....	\$138.00
FD2Z-0630	.....	\$138.00
FD3Z-0635	.....	\$154.00
FD3Z-0636	.....	\$154.00
FD4Z-0641	.....	\$172.00
FD4Z-0642	.....	\$172.00
FD4Z-0647	.....	\$193.00
FD4Z-0648	.....	\$193.00
FD5Z-0653	.....	\$211.00
FD5Z-0654	.....	\$211.00
FD6Z-0659	.....	\$229.00
FD6Z-0660	.....	\$229.00
FD7Z-0665	.....	\$248.00
FD7Z-0666	.....	\$248.00
FD8Z-0671	.....	\$266.00
FD8Z-0672	.....	\$266.00
FD9Z-0677	.....	\$285.00
FD9Z-0678	.....	\$285.00

FINNED TUBULAR HEATERS

OTHER THAN ABOVE:

Use base price of elements as per page 9 of price index
 Add for Steel FinsPer inch \$2.20
 Add for Stainless Steel FinsPer inch \$2.35
 Non-Stock Items 6 pc. Minimum

SINGLE ENDED TUBULARS

SEA1X-2025	.....	\$58.25
SEA2X-2026	.....	\$66.65
SEA2X-2027	.....	\$75.60
SEA2X-2028	.....	\$84.25
SEA3X-2029	.....	\$93.05
SEA3X-2030	.....	\$101.55
SEA3X-2031	.....	\$112.00
SEA4X-2032	.....	\$120.00
SEA4X-2033	.....	\$128.00
SEA4X-2034	.....	\$138.00
SEA5X-2035	.....	\$147.00
SEA5X-2036	.....	\$155.00

SEA6X-2037	.....	\$.180.00
SEA7X-2038	.....	\$.207.00
SEA8X-2039	.....	\$.233.00
SEA9X-2040	.....	\$.258.00
SEA10X-2041	.....	\$.285.00
For sizes not shown add 20% to per inch price of Tubular Element		

A4T-2554	.....	\$.147.00
A4T-2555	.....	\$.147.00
A5T-2556	.....	\$.153.00
A5T-2557	.....	\$.160.00
A5T-2558	.....	\$.173.00
A6T-2559	.....	\$.180.00
A7T-2560	.....	\$.216.00
A8T-2561	.....	\$.249.00

MBI-0007	.....	\$.224.00
MBI-0008	.....	\$.224.00
MBI-0009	.....	\$.270.00
MBI-0010	.....	\$.270.00
MBI-0011	.....	\$.321.00
MBI-0012	.....	\$.321.00
MBI-0013	.....	\$.94.80
MBI-0014	.....	\$.127.00
MBI-0015	.....	\$.127.00
MBI-0016	.....	\$.149.00
MBI-0017	.....	\$.149.00
MBI-0018	.....	\$.216.00
MBI-0019	.....	\$.216.00
MBI-0020	.....	\$.263.00
MBI-0021	.....	\$.263.00
MBI-0022	.....	\$.110.00
MBI-0023	.....	\$.123.00
MBI-0024	.....	\$.132.00
MBI-0025	.....	\$.113.00
MBI-0026	.....	\$.113.00
MBI-0027	.....	\$.186.00
MBI-0028	.....	\$.186.00
MBI-0029	.....	\$.212.00
MBI-0030	.....	\$.212.00
MBI-0031	.....	\$.254.00
MBI-0032	.....	\$.254.00
MBI-0033	.....	\$.298.00
MBI-0034	.....	\$.298.00
MBI-0035	.....	\$.78.40
MBI-0036	.....	\$.87.65
MBI-0037	.....	\$.96.85
MBI-0038	.....	\$.96.85
MBI-0039	.....	\$.128.00
MBI-0040	.....	\$.128.00
MBI-0041	.....	\$.150.00
MBI-0042	.....	\$.150.00
MBI-0043	.....	\$.217.00
MBI-0044	.....	\$.217.00
MBI-0045	.....	\$.265.00
MBI-0046	.....	\$.314.00
MBI-0047	.....	\$.127.00
MBI-0048	.....	\$.127.00
MBI-0049	.....	\$.139.00
MBI-0050	.....	\$.139.00
MBI-0051	.....	\$.156.00
MBI-0052	.....	\$.156.00
MBI-0053	.....	\$.156.00
MBI-0054	.....	\$.199.00
MBI-0055	.....	\$.199.00
MBI-0056	.....	\$.199.00
MBI-0057	.....	\$.224.00
MBI-0058	.....	\$.224.00
MBI-0059	.....	\$.224.00
MBI-0060	.....	\$.270.00
MBI-0061	.....	\$.270.00
MBI-0062	.....	\$.270.00
MBI-0063	.....	\$.321.00
MBI-0064	.....	\$.321.00
MBI-0065	.....	\$.321.00

MBI-0066	.....	\$.80.45
MBI-0067	.....	\$.87.65
MBI-0068	.....	\$.98.40
MBI-0069	.....	\$.98.40
MBI-0070	.....	\$.125.00
MBI-0071	.....	\$.125.00
MBI-0072	.....	\$.154.00
MBI-0073	.....	\$.154.00
MBI-0074	.....	\$.205.00
MBI-0075	.....	\$.205.00
MBI-0076	.....	\$.241.00
MBI-0077	.....	\$.241.00
MBI-0078	.....	\$.94.80
MBI-0079	.....	\$.127.00
MBI-0080	.....	\$.127.00
MBI-0081	.....	\$.149.00
MBI-0082	.....	\$.149.00
MBI-0083	.....	\$.216.00
MBI-0084	.....	\$.216.00
MBI-0085	.....	\$.263.00
MBI-0086	.....	\$.263.00
MBI-0087	.....	\$.110.00
MBI-0088	.....	\$.123.00
MBI-0089	.....	\$.132.00
MBI-0090	.....	\$.113.00
MBI-0091	.....	\$.113.00
MBI-0092	.....	\$.186.00
MBI-0093	.....	\$.186.00
MBI-0094	.....	\$.212.00
MBI-0095	.....	\$.212.00
MBI-0096	.....	\$.254.00
MBI-0097	.....	\$.254.00
MBI-0098	.....	\$.298.00
MBI-0099	.....	\$.298.00
MBI-0100	.....	\$.78.40
MBI-0101	.....	\$.87.65
MBI-0102	.....	\$.96.85
MBI-0103	.....	\$.96.85
MBI-0104	.....	\$.128.00
MBI-0105	.....	\$.128.00
MBI-0106	.....	\$.150.00
MBI-0107	.....	\$.150.00
MBI-0108	.....	\$.217.00
MBI-0109	.....	\$.265.00
MBI-0110	.....	\$.127.00
MBI-0111	.....	\$.127.00
MBI-0112	.....	\$.127.00
MBI-0113	.....	\$.139.00
MBI-0114	.....	\$.139.00
MBI-0115	.....	\$.139.00
MBI-0116	.....	\$.156.00
MBI-0117	.....	\$.156.00
MBI-0118	.....	\$.199.00
MBI-0119	.....	\$.199.00
MBI-0120	.....	\$.224.00
MBI-0121	.....	\$.224.00
MBI-0122	.....	\$.270.00
MBI-0123	.....	\$.321.00

SINGLE ENDED FINNED TUBULAR HEATERS

STEEL SHEATH & FINNS		
SEFD1X-1092	.....	\$.55.85
SEFD1X-1093	.....	\$.68.10
SEFD2X-1094	.....	\$.80.35
SEFD2X-1095	.....	\$.92.75
SEFD2X-1096	.....	\$.105.00
SEFD3X-1097	.....	\$.122.00
SEFD3X-1098	.....	\$.130.00
SEFD3X-1099	.....	\$.141.00
SEFD4X-1100	.....	\$.155.00
SEFD4X-1101	.....	\$.168.00
SEFD4X-1102	.....	\$.179.00
SEFD5X-1103	.....	\$.193.00
SEFD5X-1104	.....	\$.202.00

STAINLESS STEEL SHEATH & FINNS		
SEFB1X-1237	.....	\$.64.45
SEFB1X-1238	.....	\$.80.25
SEFB2X-1239	.....	\$.95.80
SEFB2X-1240	.....	\$.113.00
SEFB2X-1241	.....	\$.128.00
SEFB3X-1242	.....	\$.145.00
SEFB3X-1243	.....	\$.160.00
SEFB3X-1244	.....	\$.176.00
SEFB4X-1245	.....	\$.192.00
SEFB4X-1246	.....	\$.207.00
SEFB4X-1247	.....	\$.223.00
SEFB5X-1248	.....	\$.239.00
SEFB6X-1249	.....	\$.250.00
For sizes not shown, add 20% to per inch price of Finned Tubulars		

TRIANGULATED CROSS SECTION

.475 DIAMETER INCOLOY		
A2T-2544	.....	\$.67.80
A2T-2545	.....	\$.82.65
A2T-2546	.....	\$.84.35
A2T-2547	.....	\$.94.65
A3T-2548	.....	\$.105.00
A3T-2549	.....	\$.108.00
A3T-2550	.....	\$.112.00
A4T-1744	.....	\$.123.00
A4T-2551	.....	\$.126.00
A4T-2552	.....	\$.133.00
A4T-2553	.....	\$.138.00

.375 DIAMETER INCOLOY		
J2T-2344	.....	\$.56.30
J2T-2345	.....	\$.58.80
J2T-2346	.....	\$.61.40
J2T-2347	.....	\$.68.45
J2T-2348	.....	\$.68.45
J2T-2349	.....	\$.70.95
J2T-2350	.....	\$.70.95
J2T-2351	.....	\$.72.20
J2T-2352	.....	\$.72.20
J3T-2353	.....	\$.80.55
J3T-2354	.....	\$.80.55
J3T-2355	.....	\$.82.85
J3T-2356	.....	\$.80.80
J3T-2357	.....	\$.80.80
J3T-2358	.....	\$.91.20
J3T-2359	.....	\$.91.20
J3T-2360	.....	\$.93.80
J3T-2361	.....	\$.99.75
J4T-2362	.....	\$.101.95
J4T-2363	.....	\$.105.00
J4T-2364	.....	\$.105.00
J4T-2365	.....	\$.112.00
J4T-2366	.....	\$.112.00
J4T-2367	.....	\$.114.00
J4T-2368	.....	\$.123.00
J4T-2369	.....	\$.123.00
J5T-2370	.....	\$.125.00
J5T-2371	.....	\$.136.00
J5T-2372	.....	\$.144.00
J5T-2373	.....	\$.144.00
J6T-2374	.....	\$.150.00
J6T-2375	.....	\$.150.00
J6T-2376	.....	\$.158.00
J6T-2377	.....	\$.166.00
J7T-2378	.....	\$.171.00
J7T-2379	.....	\$.179.00
J8T-2380	.....	\$.193.00
J8T-2381	.....	\$.200.00

MIGHTY BLADE PROCESS HEATERS

MBI-0001	.....	\$.127.00
MBI-0002	.....	\$.139.00
MBI-0003	.....	\$.156.00
MBI-0004	.....	\$.156.00
MBI-0005	.....	\$.199.00
MBI-0006	.....	\$.199.00

Mighty Blade	End Design	List
Fig. R	Double End	\$20.25
Fig. S	Dougle End	\$12.00
Fig. T	Double End	\$15.50
Fig. X	Double End	\$ 8.50
Fig. Y	Double End	\$ 4.85
Fig. U	Double End	\$22.55
Fig. V	Double End	\$12.00
Fig. W	Double End	\$15.50
Fig. Z	Double End	\$26.20
Fig. Z	Single End	\$13.25

Note:

- Customer has option to wire in single phase for double ended configurations on Figs. R, U and Z
- Fig. R and U are double end only.
- Fig. Z can also be designed for single phase and provided with two leads.
- All other Figs. are single phase only.

Mighty Blade Terminals w/Bushing	Material	
Fig. T	Brass - Double End	\$169.00
Fig. T	Steel - Double End	\$162.00
Fig. T	Stainless Steel - Double End	\$181.00
Fig. Y	Brass - Double End	\$169.00
Fig. Y	Steel - Double End	\$162.00
Fig. Y	Stainless Steel - Double End	\$181.00
Fig. W	Brass - Double End	\$169.00
Fig. W	Steel - Double End	\$162.00
Fig. W	Stainless Steel - Double End	\$181.00
Fig. Z	Brass - Double End	\$194.00
Fig. Z	Steel - Double End	\$187.00
Fig. Z	Stainless Steel - Double End	\$205.00
Fig. Z	Brass - Double End	\$ 96.30
Fig. Z	Steel - Double End	\$ 92.75
Fig. Z	Stainless Steel - Double End	\$102.05

Notes:

List is same for 3/4-16 and 7/8-14

Bend Adders

Minor Per Bend	Add \$5.35 per bend plus tool set up charge of \$40.00 per lot per bend.
Major Per Bend	Add \$7.30 per bend plus tool set up charge of \$50.00 per lot per bend.

PIPE PLUG IMMERSION HEATERS

COPPER ELEMENTS, HIGH WATT DENSITY, BRASS PIPE PLUG

B Dim	1" NPT -1 TUBULAR ELEMENT							
5-1/4	KF-1-0018-M1	149.00	KF-1-0018-M7	572.00	KF-1T1-0018-M1	260.00	KF-1T1-0018-M7	688.00
6-3/8	KF-1-0019-M1	151.00	KF-1-0019-M7	573.00	KF-1T1-0019-M1	261.00	KF-1T1-0019-M7	689.00
6-3/8	KF-1-0020-M1	151.00	KF-1-0020-M7	573.00	KF-1T1-0020-M1	261.00	KF-1T1-0020-M7	689.00
6-3/8	KF-1-0021-M1	151.00	KF-1-0021-M7	573.00	KF-1T1-0021-M1	261.00	KF-1T1-0021-M7	689.00
6-3/8	KF-1-0022-M1	151.00	KF-1-0022-M7	573.00	KF-1T1-0022-M1	261.00	KF-1T1-0022-M7	689.00
6-3/8	KF-1-0023-M1	151.00	KF-1-0023-M7	573.00	KF-1T1-0023-M1	261.00	KF-1T1-0023-M7	689.00
6-3/8	KF-1-0024-M1	151.00	KF-1-0024-M7	573.00	KF-1T1-0024-M1	261.00	KF-1T1-0024-M7	689.00
8-1/16	KF-1-0025-M1	176.00	KF-1-0025-M7	598.00	KF-1T1-0025-M1	287.00	KF-1T1-0025-M7	713.00
8-1/16	KF-1-0026-M1	176.00	KF-1-0026-M7	598.00	KF-1T1-0026-M1	287.00	KF-1T1-0026-M7	713.00
9-1/4	KF-1-0027-M1	196.00	KF-1-0027-M7	617.00	KF-1T1-0027-M1	306.00	KF-1T1-0027-M7	730.00
9-1/4	KF-1-0028-M1	196.00	KF-1-0028-M7	617.00	KF-1T1-0028-M1	306.00	KF-1T1-0028-M7	730.00
12-3/4	KF-1-0029-M1	220.00	KF-1-0029-M7	637.00	KF-1T1-0029-M1	327.00	KF-1T1-0029-M7	757.00
12-3/4	KF-1-0030-M1	220.00	KF-1-0030-M7	637.00	KF-1T1-0030-M1	317.00	KF-1T1-0030-M7	757.00
16-1/2	KF-1-0031-M1	224.00	KF-1-0031-M7	642.00	KF-1T1-0031-M1	329.00	KF-1T1-0031-M7	759.00
19-7/8	KF-1-0032-M1	237.00	KF-1-0032-M7	649.00	KF-1T1-0032-M1	345.00	KF-1T1-0032-M7	764.00

B Dim	1-1/4" NPT -1 TUBULAR ELEMENT							
6-1/8	KI-1-0006-M1	157.00	KI-1-0006-M7	578.00	KI-1T1-0006-M1	263.00	KI-1T1-0006-M7	695.00
6-1/8	KI-1-0007-M1	157.00	KI-1-0007-M7	578.00	KI-1T1-0007-M1	263.00	KI-1T1-0007-M7	695.00
6-1/8	KI-1-0008-M1	157.00	KI-1-0008-M7	578.00	KI-1T1-0008-M1	263.00	KI-1T1-0008-M7	695.00
6-1/8	KI-1-0009-M1	157.00	KI-1-0009-M7	578.00	KI-1T1-0009-M1	263.00	KI-1T1-0009-M7	695.00
6-1/8	KI-1-0010-M1	157.00	KI-1-0010-M7	578.00	KI-1T1-0010-M1	263.00	KI-1T1-0010-M7	695.00
6-1/8	KI-1-0011-M1	157.00	KI-1-0011-M7	578.00	KI-1T1-0011-M1	263.00	KI-1T1-0011-M7	695.00

B Dim	1-1/4" NPT -2 TUBULAR ELEMENTS							
6-1/8	KI-2-0012-M1	223.00	KI-2-0012-M7	641.00	KI-2T1-0012-M1	328.00	KI-2T1-0012-M7	758.00
6-1/8	KI-2-0013-M1	223.00	KI-2-0013-M7	641.00	KI-2T1-0013-M1	328.00	KI-2T1-0013-M7	758.00
6-1/8	KI-2-0014-M1	223.00	KI-2-0014-M7	641.00	KI-2T1-0014-M1	328.00	KI-2T1-0014-M7	758.00
6-1/8	KI-2-0015-M1	223.00	KI-2-0015-M7	641.00	KI-2T1-0015-M1	328.00	KI-2T1-0015-M7	758.00
6-1/8	KI-2-0016-M1	223.00	KI-2-0016-M7	641.00	KI-2T1-0016-M1	328.00	KI-2T1-0016-M7	758.00
6-1/8	KI-2-0017-M1	223.00	KI-2-0017-M7	641.00	KI-2T1-0017-M1	328.00	KI-2T1-0017-M7	758.00
6-1/8	KI-2-0018-M1	223.00	KI-2-0018-M7	641.00	KI-2T1-0018-M1	328.00	KI-2T1-0018-M7	758.00
6-1/8	KI-2-0019-M1	223.00	KI-2-0019-M7	641.00	KI-2T1-0019-M1	328.00	KI-2T1-0019-M7	758.00

B Dim	1-1/4" NPT -1 TUBULAR ELEMENT WITH FOLD BACK							
6-1/8	KIX-1-0001-M1	193.00	KIX-1-0001-M7	615.00	KIX-1T1-0001-M1	301.00	KIX-1T1-0001-M7	727.00
6-1/8	KIX-1-0002-M1	193.00	KIX-1-0002-M7	615.00	KIX-1T1-0002-M1	301.00	KIX-1T1-0002-M7	727.00
9-1/16	KIX-1-0003-M1	223.00	KIX-1-0003-M7	641.00	KIX-1T1-0003-M1	328.00	KIX-1T1-0003-M7	758.00
9-1/16	KIX-1-0004-M1	223.00	KIX-1-0004-M7	641.00	KIX-1T1-0004-M1	328.00	KIX-1T1-0004-M7	758.00
6-5/8	KIX-1-0005-M1	193.00	KIX-1-0005-M7	615.00	KIX-1T1-0005-M1	301.00	KIX-1T1-0005-M7	727.00
6-5/8	KIX-1-0006-M1	193.00	KIX-1-0006-M7	615.00	KIX-1T1-0006-M1	301.00	KIX-1T1-0006-M7	727.00
8-1/2	KIX-1-0007-M1	281.00	KIX-1-0007-M7	696.00	KIX-1T1-0007-M1	386.00	KIX-1T1-0007-M7	811.00
10-3/16	KIX-1-0008-M1	303.00	KIX-1-0008-M7	708.00	KIX-1T1-0008-M1	402.00	KIX-1T1-0008-M7	817.00
13-9/16	KIX-1-0009-M1	330.00	KIX-1-0009-M7	728.00	KIX-1T1-0009-M1	426.00	KIX-1T1-0009-M7	836.00
16-15/16	KIX-1-0010-M1	353.00	KIX-1-0010-M7	754.00	KIX-1T1-0010-M1	449.00	KIX-1T1-0010-M7	862.00

B Dim	2" NPT -1 TUBULAR ELEMENT							
12	KV-1-0009-M1	236.00	KV-1-0009-M7	656.00	KV-1T2-0009-M1	548.00	KV-1T2-0009-M7	971.00
12	KV-1-0010-M1	236.00	KV-1-0010-M7	656.00	KV-1T2-0010-M1	548.00	KV-1T2-0010-M7	971.00
12	KV-1-0011-M1	236.00	KV-1-0011-M7	656.00	KV-1T2-0011-M1	548.00	KV-1T2-0011-M7	971.00
18	KV-1-0012-M1	263.00	KV-1-0012-M7	673.00	KV-1T2-0012-M1	583.00	KV-1T2-0012-M7	988.00
18	KV-1-0013-M1	263.00	KV-1-0013-M7	673.00	KV-1T2-0013-M1	583.00	KV-1T2-0013-M7	988.00
18	KV-1-0014-M1	263.00	KV-1-0014-M7	673.00	KV-1T2-0014-M1	583.00	KV-1T2-0014-M7	988.00

B Dim	2" NPT -2 TUBULAR ELEMENTS							
8	KV-2-0015-M1	290.00	KV-2-0015-M7	725.00	KV-2T2-0015-M1	616.00	KV-2T2-0015-M7	1,037.00
8	KV-2-0016-M1	290.00	KV-2-0016-M7	725.00	KV-2T2-0016-M1	616.00	KV-2T2-0016-M7	1,037.00
8	KV-2-0017-M1	290.00	KV-2-0017-M7	725.00	KV-2T2-0017-M1	616.00	KV-2T2-0017-M7	1,037.00
9-9/16	KV-2-0018-M1	300.00	KV-2-0018-M7	733.00	KV-2T2-0018-M1	629.00	KV-2T2-0018-M7	1,047.00
9-9/16	KV-2-0019-M1	300.00	KV-2-0019-M7	733.00	KV-2T2-0019-M1	629.00	KV-2T2-0019-M7	1,047.00
9-9/16	KV-2-0020-M1	300.00	KV-2-0020-M7	733.00	KV-2T2-0020-M1	629.00	KV-2T2-0020-M7	1,047.00
12	KV-2-0021-M1	308.00	KV-2-0021-M7	744.00	KV-2T2-0021-M1	640.00	KV-2T2-0021-M7	1,059.00
12	KV-2-0022-M1	308.00	KV-2-0022-M7	744.00	KV-2T2-0022-M1	640.00	KV-2T2-0022-M7	1,059.00
12	KV-2-0023-M1	308.00	KV-2-0023-M7	744.00	KV-2T2-0023-M1	640.00	KV-2T2-0023-M7	1,059.00
18	KV-2-0024-M1	360.00	KV-2-0024-M7	782.00	KV-2T2-0024-M1	701.00	KV-2T2-0024-M7	1,097.00
18	KV-2-0025-M1	360.00	KV-2-0025-M7	782.00	KV-2T2-0025-M1	701.00	KV-2T2-0025-M7	1,097.00

B Dim	2" NPT -2 TUBULAR ELEMENTS						*requires use of external contactor	
19-7/8	KV-2-0026-M1	373.00	KV-2-0026-M7	779.00	KV-2T2-0026-M1	713.00	KV-2T2-0026-M7	1,111.00
19-7/8	KV-2-0027-M1	373.00	KV-2-0027-M7	779.00	KV-2T2-0027-M1	713.00	KV-2T2-0027-M7	1,111.00
25-1/4	KV-2-0028-M1	403.00	KV-2-0028-M7	822.00	KV-2T2-0028-M1	741.00	KV-2T2-0028-M7	1,138.00
25-1/4	KV-2-0029-M1	403.00	KV-2-0029-M7	822.00	KV-2T2-0029-M1	741.00	KV-2T2-0029-M7	1,138.00
28-1/8	KV-2-0030-M1	439.00	KV-2-0030-M7	861.00	KV-2T2-0030-M1	776.00	KV-2T2-0030-M7	1,172.00
28-1/8	KV-2-0031-M1	439.00	KV-2-0031-M7	861.00	KV-2T2-0031-M1	776.00	KV-2T2-0031-M7	1,172.00
40-5/8	KV-2-0032-M1	593.00	KV-2-0032-M7	1,010.00	KV-2T2-0032-M1*	937.00	KV-2T2-0032-M7*	1,325.00
40-5/8	KV-2-0033-M1	593.00	KV-2-0033-M7	1,010.00	KV-2T2-0033-M1	937.00	KV-2T2-0033-M7	1,325.00

B Dim	2" NPT -3 TUBULAR ELEMENTS						*requires use of external contactor	
8	KV-3-0151-M1	333.00	KV-3-0151-M7	777.00	KV-3T2-0151-M1	674.00	KV-3T2-0151-M7	1,104.00
8	KV-3-0152-M1	333.00	KV-3-0152-M7	777.00	KV-3T2-0152-M1	674.00	KV-3T2-0152-M7	1,104.00
8	KV-3-0153-M1	333.00	KV-3-0153-M7	777.00	KV-3T2-0153-M1	674.00	KV-3T2-0153-M7	1,104.00
8	KV-3-0154-M1	333.00	KV-3-0154-M7	777.00	KV-3T2-0154-M1	674.00	KV-3T2-0154-M7	1,104.00
9-9/16	KV-3-0155-M1	342.00	KV-3-0155-M7	787.00	KV-3T2-0155-M1	688.00	KV-3T2-0155-M7	1,119.00
9-9/16	KV-3-0156-M1	342.00	KV-3-0156-M7	787.00	KV-3T2-0156-M1	688.00	KV-3T2-0156-M7	1,119.00
9-9/16	KV-3-0157-M1	342.00	KV-3-0157-M7	787.00	KV-3T2-0157-M1	688.00	KV-3T2-0157-M7	1,119.00
9-9/16	KV-3-0158-M1	342.00	KV-3-0158-M7	787.00	KV-3T2-0158-M1	688.00	KV-3T2-0158-M7	1,119.00
12	KV-3-0159-M1	363.00	KV-3-0159-M7	809.00	KV-3T2-0159-M1	706.00	KV-3T2-0159-M7	1,138.00
12	KV-3-0160-M1	363.00	KV-3-0160-M7	809.00	KV-3T2-0160-M1	706.00	KV-3T2-0160-M7	1,138.00
12	KV-3-0161-M1	363.00	KV-3-0161-M7	809.00	KV-3T2-0161-M1	706.00	KV-3T2-0161-M7	1,138.00
12	KV-3-0162-M1	363.00	KV-3-0162-M7	809.00	KV-3T2-0162-M1	706.00	KV-3T2-0162-M7	1,138.00
18	KV-3-0163-M1	428.00	KV-3-0163-M7	863.00	KV-3T2-0163-M1	783.00	KV-3T2-0163-M7	1,191.00
18	KV-3-0164-M1	428.00	KV-3-0164-M7	863.00	KV-3T2-0164-M1	783.00	KV-3T2-0164-M7	1,191.00
18	KV-3-0165-M1	428.00	KV-3-0165-M7	863.00	KV-3T2-0165-M1	783.00	KV-3T2-0165-M7	1,191.00
18	KV-3-0166-M1	428.00	KV-3-0166-M7	863.00	KV-3T2-0166-M1	783.00	KV-3T2-0166-M7	1,191.00
19-7/8	KV-3-0167-M1	451.00	KV-3-0167-M7	882.00	KV-3T2-0167-M1*	804.00	KV-3T2-0167-M7*	1,213.00
19-7/8	KV-3-0168-M1	451.00	KV-3-0168-M7	882.00	KV-3T2-0168-M1	804.00	KV-3T2-0168-M7	1,213.00
19-7/8	KV-3-0169-M1	451.00	KV-3-0169-M7	882.00	KV-3T2-0169-M1	804.00	KV-3T2-0169-M7	1,213.00
19-7/8	KV-3-0170-M1	451.00	KV-3-0170-M7	882.00	KV-3T2-0170-M1	804.00	KV-3T2-0170-M7	1,213.00
25-1/4	KV-3-0171-M1	497.00	KV-3-0171-M7	924.00	KV-3T2-0171-M1*	852.00	KV-3T2-0171-M7*	1,254.00
25-1/4	KV-3-0172-M1	497.00	KV-3-0172-M7	924.00	KV-3T2-0172-M1	852.00	KV-3T2-0172-M7	1,254.00
25-1/4	KV-3-0173-M1	497.00	KV-3-0173-M7	924.00	KV-3T2-0173-M1	852.00	KV-3T2-0173-M7	1,254.00
25-1/4	KV-3-0174-M1	497.00	KV-3-0174-M7	924.00	KV-3T2-0174-M1	852.00	KV-3T2-0174-M7	1,254.00
28-1/8	KV-3-0175-M1	544.00	KV-3-0175-M7	973.00	KV-3T2-0175-M1*	899.00	KV-3T2-0175-M7*	1,302.00
28-1/8	KV-3-0176-M1	544.00	KV-3-0176-M7	973.00	KV-3T2-0176-M1	899.00	KV-3T2-0176-M7	1,302.00
28-1/8	KV-3-0177-M1	544.00	KV-3-0177-M7	973.00	KV-3T2-0177-M1*	899.00	KV-3T2-0177-M7*	1,302.00
28-1/8	KV-3-0178-M1	544.00	KV-3-0178-M7	973.00	KV-3T2-0178-M1	899.00	KV-3T2-0178-M7	1,302.00
40-5/8	KV-3-0179-M1	741.00	KV-3-0179-M7	1,169.00	KV-3T2-0179-M1*	1,106.00	KV-3T2-0179-M7*	1,497.00
40-5/8	KV-3-0180-M1	741.00	KV-3-0180-M7	1,169.00	KV-3T2-0180-M1*	1,106.00	KV-3T2-0180-M7*	1,497.00
40-5/8	KV-3-0181-M1	741.00	KV-3-0181-M7	1,169.00	KV-3T2-0181-M1*	1,106.00	KV-3T2-0181-M7*	1,497.00
40-5/8	KV-3-0182-M1	741.00	KV-3-0182-M7	1,169.00	KV-3T2-0182-M1	1,106.00	KV-3T2-0182-M7	1,497.00

B Dim	2-1/2" NPT -3 TUBULAR ELEMENTS						*requires use of external contactor	
7-3/8	KR-3-0009-M1	348.00	KR-3-0009-M7	781.00	KR-3T2-0009-M1	674.00	KR-3T2-0009-M7	1,094.00
7-3/8	KR-3-0010-M1	348.00	KR-3-0010-M7	781.00	KR-3T2-0010-M1	674.00	KR-3T2-0010-M7	1,094.00
7-3/8	KR-3-0011-M1	348.00	KR-3-0011-M7	781.00	KR-3T2-0011-M1	674.00	KR-3T2-0011-M7	1,094.00
8-7/8	KR-3-0012-M1	379.00	KR-3-0012-M7	811.00	KR-3T2-0012-M1	705.00	KR-3T2-0012-M7	1,129.00
8-7/8	KR-3-0013-M1	379.00	KR-3-0013-M7	811.00	KR-3T2-0013-M1	705.00	KR-3T2-0013-M7	1,129.00
8-7/8	KR-3-0014-M1	379.00	KR-3-0014-M7	811.00	KR-3T2-0014-M1	705.00	KR-3T2-0014-M7	1,129.00
11-3/8	KR-3-0015-M1	405.00	KR-3-0015-M7	840.00	KR-3T2-0015-M1	733.00	KR-3T2-0015-M7	1,155.00
11-3/8	KR-3-0016-M1	405.00	KR-3-0016-M7	840.00	KR-3T2-0016-M1	733.00	KR-3T2-0016-M7	1,155.00
11-3/8	KR-3-0017-M1	405.00	KR-3-0017-M7	840.00	KR-3T2-0017-M1	733.00	KR-3T2-0017-M7	1,155.00
11-3/8	KR-3-0018-M1	405.00	KR-3-0018-M7	840.00	KR-3T2-0018-M1	733.00	KR-3T2-0018-M7	1,155.00
17-3/8	KR-3-0019-M1	488.00	KR-3-0019-M7	927.00	KR-3T2-0019-M1	835.00	KR-3T2-0019-M7	1,260.00
17-3/8	KR-3-0020-M1	488.00	KR-3-0020-M7	927.00	KR-3T2-0020-M1	835.00	KR-3T2-0020-M7	1,260.00
17-3/8	KR-3-0021-M1	488.00	KR-3-0021-M7	927.00	KR-3T2-0021-M1	835.00	KR-3T2-0021-M7	1,260.00
17-3/8	KR-3-0022-M1	488.00	KR-3-0022-M7	927.00	KR-3T2-0022-M1	835.00	KR-3T2-0022-M7	1,260.00
19-5/16	KR-3-0023-M1	551.00	KR-3-0023-M7	981.00	KR-3T2-0023-M1	907.00	KR-3T2-0023-M7	1,309.00
19-5/16	KR-3-0024-M1	551.00	KR-3-0024-M7	981.00	KR-3T2-0024-M1	907.00	KR-3T2-0024-M7	1,309.00
19-5/16	KR-3-0025-M1	551.00	KR-3-0025-M7	981.00	KR-3T2-0025-M1	907.00	KR-3T2-0025-M7	1,309.00
19-5/16	KR-3-0026-M1	551.00	KR-3-0026-M7	981.00	KR-3T2-0026-M1	907.00	KR-3T2-0026-M7	1,309.00
24-1/2	KR-3-0027-M1	627.00	KR-3-0027-M7	1,058.00	KR-3T2-0027-M1	994.00	KR-3T2-0027-M7	1,400.00
24-1/2	KR-3-0028-M1	627.00	KR-3-0028-M7	1,058.00	KR-3T2-0028-M1	994.00	KR-3T2-0028-M7	1,400.00
24-1/2	KR-3-0029-M1	627.00	KR-3-0029-M7	1,058.00	KR-3T2-0029-M1	994.00	KR-3T2-0029-M7	1,400.00
24-1/2	KR-3-0030-M1	627.00	KR-3-0030-M7	1,058.00	KR-3T2-0030-M1	994.00	KR-3T2-0030-M7	1,400.00
32-1/4	KR-3-0145-M1	700.00	KR-3-0145-M7	1,131.00	KR-3T2-0145-M1	1,069.00	KR-3T2-0145-M7*	1,470.00
32-1/4	KR-3-0146-M1	700.00	KR-3-0146-M7	1,131.00	KR-3T2-0146-M1	1,069.00	KR-3T2-0146-M7	1,470.00

B Dim	2-1/2" NPT -3 TUBULAR ELEMENTS					*requires use of external contactor		
32-1/4	KR-3-0147-M1	700.00	KR-3-0147-M7	1,131.00	KR-3T2-0147-M1*	1,069.00	KR-3T2-0147-M7*	1,470.00
32-1/4	KR-3-0148-M1	700.00	KR-3-0148-M7	1,131.00	KR-3T2-0148-M1 *	1,069.00	KR-3T2-0148-M7*	1,470.00
39-7/8	KR-3-0149-M1	770.00	KR-3-0149-M7	1,199.00	KR-3T2-0149-M1*	1,142.00	KR-3T2-0149-M7*	1,540.00
39-7/8	KR-3-0150-M1	770.00	KR-3-0150-M7	1,199.00	KR-3T2-0150-M1*	1,142.00	KR-3T2-0150-M7*	1,540.00
39-7/8	KR-3-0151-M1	770.00	KR-3-0151-M7*	1,199.00	KR-3T2-0151-M1*	1,142.00	KR-3T2-0151-M7*	1,540.00
39-7/8	KR-3-0152-M1	770.00	KR-3-0152-M7	1,199.00	KR-3T2-0152-M1	1,142.00	KR-3T2-0152-M7*	1,540.00
47-3/8	KR-3-0153-M1	862.00	KR-3-0153-M7	1,291.00	KR-3T2-0153-M1*	1,235.00	KR-3T2-0153-M7*	1,628.00
47-3/8	KR-3-0154-M1	862.00	KR-3-0154-M7*	1,291.00	KR-3T2-0154-M1*	1,235.00	KR-3T2-0154-M7*	1,628.00
47-3/8	KR-3-0155-M1	862.00	KR-3-0155-M7*	1,291.00	KR-3T2-0155-M1*	1,235.00	KR-3T2-0155-M7*	1,628.00
47-3/8	KR-3-0156-M1	862.00	KR-3-0156-M7*	1,291.00	KR-3T2-0156-M1*	1,235.00	KR-3T2-0156-M7*	1,628.00

STAINLESS STEEL ELEMENTS, HIGH WATT DENSITY, STAINLESS STEEL PIPE PLUG

B Dim	1" NPT -1 TUBULAR ELEMENT							
5-1/4	KG-1-0031-M1	169.00	KG-1-0031-M7	610.00	KG-1T1-0031-M1	295.00	KG-1T1-0031-M7	728.00
6-3/8	KG-1-0032-M1	169.00	KG-1-0032-M7	610.00	KG-1T1-0032-M1	295.00	KG-1T1-0032-M7	728.00
6-3/8	KG-1-0033-M1	169.00	KG-1-0033-M7	610.00	KG-1T1-0033-M1	295.00	KG-1T1-0033-M7	728.00
6-3/8	KG-1-0034-M1	178.00	KG-1-0034-M7	617.00	KG-1T1-0034-M1	300.00	KG-1T1-0034-M7	733.00
6-3/8	KG-1-0035-M1	178.00	KG-1-0035-M7	617.00	KG-1T1-0035-M1	300.00	KG-1T1-0035-M7	733.00
6-3/8	KG-1-0036-M1	178.00	KG-1-0036-M7	617.00	KG-1T1-0036-M1	300.00	KG-1T1-0036-M7	733.00
6-3/8	KG-1-0037-M1	178.00	KG-1-0037-M7	617.00	KG-1T1-0037-M1	300.00	KG-1T1-0037-M7	733.00
8-1/16	KG-1-0038-M1	203.00	KG-1-0038-M7	643.00	KG-1T1-0038-M1	328.00	KG-1T1-0038-M7	764.00
8-1/16	KG-1-0039-M1	203.00	KG-1-0039-M7	643.00	KG-1T1-0039-M1	328.00	KG-1T1-0039-M7	764.00
9-1/4	KG-1-0040-M1	226.00	KG-1-0040-M7	667.00	KG-1T1-0040-M1	351.00	KG-1T1-0040-M7	782.00
9-1/4	KG-1-0041-M1	226.00	KG-1-0041-M7	667.00	KG-1T1-0041-M1	351.00	KG-1T1-0041-M7	782.00
12-3/4	KG-1-0042-M1	256.00	KG-1-0042-M7	696.00	KG-1T1-0042-M1	381.00	KG-1T1-0042-M7	812.00
12-3/4	KG-1-0043-M1	256.00	KG-1-0043-M7	696.00	KG-1T1-0043-M1	381.00	KG-1T1-0043-M7	812.00
16-1/2	KG-1-0044-M1	258.00	KG-1-0044-M7	700.00	KG-1T1-0044-M1	386.00	KG-1T1-0044-M7	816.00
19-7/8	KG-1-0045-M1	271.00	KG-1-0045-M7	703.00	KG-1T1-0045-M1	402.00	KG-1T1-0045-M7	821.00

B Dim	1-1/4" NPT -1 TUBULAR ELEMENT							
6-1/8	KJ-1-0025-M1	182.00	KJ-1-0025-M7	623.00	KJ-1T1-0025-M1	305.00	KJ-1T1-0025-M7	738.00
6-1/8	KJ-1-0026-M1	182.00	KJ-1-0026-M7	623.00	KJ-1T1-0026-M1	305.00	KJ-1T1-0026-M7	738.00
6-1/8	KJ-1-0027-M1	182.00	KJ-1-0027-M7	623.00	KJ-1T1-0027-M1	305.00	KJ-1T1-0027-M7	738.00
6-1/8	KJ-1-0028-M1	182.00	KJ-1-0028-M7	623.00	KJ-1T1-0028-M1	305.00	KJ-1T1-0028-M7	738.00
6-1/8	KJ-1-0029-M1	182.00	KJ-1-0029-M7	623.00	KJ-1T1-0029-M1	305.00	KJ-1T1-0029-M7	738.00
6-1/8	KJ-1-0030-M1	182.00	KJ-1-0030-M7	623.00	KJ-1T1-0030-M1	305.00	KJ-1T1-0030-M7	738.00

B Dim	1-1/4" NPT -2 TUBULAR ELEMENTS							
6-1/8	KJ-2-0031-M1	262.00	KJ-2-0031-M7	705.00	KJ-2T1-0031-M1	391.00	KJ-2T1-0031-M7	822.00
6-1/8	KJ-2-0032-M1	262.00	KJ-2-0032-M7	705.00	KJ-2T1-0032-M1	391.00	KJ-2T1-0032-M7	822.00
6-1/8	KJ-2-0033-M1	262.00	KJ-2-0033-M7	705.00	KJ-2T1-0033-M1	391.00	KJ-2T1-0033-M7	822.00
6-1/8	KJ-2-0034-M1	262.00	KJ-2-0034-M7	705.00	KJ-2T1-0034-M1	391.00	KJ-2T1-0034-M7	822.00
6-1/8	KJ-2-0035-M1	262.00	KJ-2-0035-M7	705.00	KJ-2T1-0035-M1	391.00	KJ-2T1-0035-M7	822.00
6-1/8	KJ-2-0036-M1	262.00	KJ-2-0036-M7	705.00	KJ-2T1-0036-M1	391.00	KJ-2T1-0036-M7	822.00
6-1/8	KJ-2-0037-M1	262.00	KJ-2-0037-M7	705.00	KJ-2T1-0037-M1	391.00	KJ-2T1-0037-M7	822.00
6-1/8	KJ-2-0038-M1	262.00	KJ-2-0038-M7	705.00	KJ-2T1-0038-M1	391.00	KJ-2T1-0038-M7	822.00

B Dim	1-1/4" NPT -1 TUBULAR ELEMENT WITH FOLD BACK							
6-1/8	KJX-1-0001-M1	227.00	KJX-1-0001-M7	668.00	KJX-1T1-0001-M1	352.00	KJX-1T1-0001-M7	783.00
6-1/8	KJX-1-0002-M1	227.00	KJX-1-0002-M7	668.00	KJX-1T1-0002-M1	352.00	KJX-1T1-0002-M7	783.00
9-1/16	KJX-1-0003-M1	258.00	KJX-1-0003-M7	700.00	KJX-1T1-0003-M1	386.00	KJX-1T1-0003-M7	816.00
9-1/16	KJX-1-0004-M1	250.00	KJX-1-0004-M7	700.00	KJX-1T1-0004-M1	386.00	KJX-1T1-0004-M7	816.00
6-5/8	KJX-1-0005-M1	227.00	KJX-1-0005-M7	668.00	KJX-1T1-0005-M1	352.00	KJX-1T1-0005-M7	783.00
6-5/8	KJX-1-0006-M1	227.00	KJX-1-0006-M7	668.00	KJX-1T1-0006-M1	352.00	KJX-1T1-0006-M7	783.00
8-1/2	KJX-1-0007-M1	332.00	KJX-1-0007-M7	772.00	KJX-1T1-0007-M1	457.00	KJX-1T1-0007-M7	888.00
10-3/16	KJX-1-0008-M1	379.00	KJX-1-0008-M7	816.00	KJX-1T1-0008-M1	505.00	KJX-1T1-0008-M7	936.00
13-9/16	KJX-1-0009-M1	406.00	KJX-1-0009-M7	848.00	KJX-1T1-0009-M1	537.00	KJX-1T1-0009-M7	965.00
16-15/16	KJX-1-0010-M1	437.00	KJX-1-0010-M7	876.00	KJX-1T1-0010-M1	583.00	KJX-1T1-0010-M7	994.00

B Dim	2" NPT -1 TUBULAR ELEMENT							
12	KW-1-0003-M1	300.00	KW-1-0003-M7	754.00	KW-1T2-0003-M1	651.00	KW-1T2-0003-M7	1,093.00
12	KW-1-0004-M1	300.00	KW-1-0004-M7	754.00	KW-1T2-0004-M1	651.00	KW-1T2-0004-M7	1,093.00
18	KW-1-0005-M1	335.00	KW-1-0005-M7	776.00	KW-1T2-0005-M1	696.00	KW-1T2-0005-M7	1,114.00
18	KW-1-0006-M1	335.00	KW-1-0006-M7	776.00	KW-1T2-0006-M1	696.00	KW-1T2-0006-M7	1,114.00

B Dim	2" NPT -2 TUBULAR ELEMENTS						*requires use of external contactor	
8	KW-2-0007-M1	539.00	KW-2-0007-M7	989.00	KW-2T2-0007-M1	894.00	KW-2T2-0007-M7	1,329.00
8	KW-2-0008-M1	539.00	KW-2-0008-M7	989.00	KW-2T2-0008-M1	894.00	KW-2T2-0008-M7	1,329.00
9-1/2	KW-2-0009-M1	551.00	KW-2-0009-M7	1,004.00	KW-2T2-0009-M1	910.00	KW-2T2-0009-M7	1,343.00
9-1/2	KW-2-0010-M1	551.00	KW-2-0010-M7	1,004.00	KW-2T2-0010-M1	910.00	KW-2T2-0010-M7	1,343.00
12	KW-2-0011-M1	564.00	KW-2-0011-M7	1,014.00	KW-2T2-0011-M1	920.00	KW-2T2-0011-M7	1,356.00
12	KW-2-0012-M1	564.00	KW-2-0012-M7	1,014.00	KW-2T2-0012-M1	920.00	KW-2T2-0012-M7	1,356.00
18	KW-2-0013-M1	610.00	KW-2-0013-M7	1,046.00	KW-2T2-0013-M1	981.00	KW-2T2-0013-M7	1,386.00
18	KW-2-0014-M1	610.00	KW-2-0014-M7	1,046.00	KW-2T2-0014-M1	981.00	KW-2T2-0014-M7	1,386.00
19-1/2	KW-2-0015-M1	647.00	KW-2-0015-M7	1,082.00	KW-2T2-0015-M1	1,019.00	KW-2T2-0015-M7	1,419.00
19-1/2	KW-2-0016-M1	647.00	KW-2-0016-M7	1,082.00	KW-2T2-0016-M1	1,019.00	KW-2T2-0016-M7	1,419.00
25	KW-2-0017-M1	682.00	KW-2-0017-M7	1,117.00	KW-2T2-0017-M1	1,056.00	KW-2T2-0017-M7	1,457.00
25	KW-2-0018-M1	682.00	KW-2-0018-M7	1,117.00	KW-2T2-0018-M1	1,056.00	KW-2T2-0018-M7	1,457.00
28	KW-2-0019-M1	705.00	KW-2-0019-M7	1,137.00	KW-2T2-0019-M1	1,075.00	KW-2T2-0019-M7	1,476.00
28	KW-2-0020-M1	705.00	KW-2-0020-M7	1,137.00	KW-2T2-0020-M1	1,075.00	KW-2T2-0020-M7	1,476.00
40-1/2	KW-2-0021-M1	896.00	KW-2-0021-M7	1,323.00	KW-2T2-0021-M1	1,270.00	KW-2T2-0021-M7*	1,660.00
40-1/2	KW-2-0022-M1	896.00	KW-2-0022-M7	1,323.00	KW-2T2-0022-M1	1,270.00	KW-2T2-0022-M7	1,660.00
48	KW-2-0023-M1	945.00	KW-2-0023-M7	1,373.00	KW-2T2-0023-M1	1,322.00	KW-2T2-0023-M7*	1,709.00
48	KW-2-0024-M1	945.00	KW-2-0024-M7	1,373.00	KW-2T2-0024-M1	1,322.00	KW-2T2-0024-M7*	1,709.00
54	KW-2-0025-M1	1,014.00	KW-2-0025-M7	1,493.00	KW-2T2-0025-M1	1,394.00	KW-2T2-0025-M7*	1,781.00
54	KW-2-0026-M1	1,014.00	KW-2-0026-M7	1,493.00	KW-2T2-0026-M1	1,394.00	KW-2T2-0026-M7*	1,781.00

B Dim	2" NPT -3 TUBULAR ELEMENTS						*requires use of external contactor	
8	KW-3-0365-M1	566.00	KW-3-0365-M7	1,019.00	KW-3T2-0365-M1	923.00	KW-3T2-0365-M7	1,358.00
8	KW-3-0366-M1	566.00	KW-3-0366-M7	1,019.00	KW-3T2-0366-M1	923.00	KW-3T2-0366-M7	1,358.00
8	KW-3-0367-M1	566.00	KW-3-0367-M7	1,019.00	KW-3T2-0367-M1	923.00	KW-3T2-0367-M7	1,358.00
8	KW-3-0368-M1	566.00	KW-3-0368-M7	1,019.00	KW-3T2-0368-M1	923.00	KW-3T2-0368-M7	1,358.00
9-1/2	KW-3-0369-M1	580.00	KW-3-0369-M7	1,036.00	KW-3T2-0369-M1	939.00	KW-3T2-0369-M7	1,376.00
9-1/2	KW-3-0370-M1	580.00	KW-3-0370-M7	1,036.00	KW-3T2-0370-M1	939.00	KW-3T2-0370-M7	1,376.00
9-1/2	KW-3-0371-M1	580.00	KW-3-0371-M7	1,036.00	KW-3T2-0371-M1	939.00	KW-3T2-0371-M7	1,376.00
9-1/2	KW-3-0372-M1	580.00	KW-3-0372-M7	1,036.00	KW-3T2-0372-M1	939.00	KW-3T2-0372-M7	1,376.00
12	KW-3-0373-M1	600.00	KW-3-0373-M7	1,054.00	KW-3T2-0373-M1	963.00	KW-3T2-0373-M7	1,394.00
12	KW-3-0374-M1	600.00	KW-3-0374-M7	1,054.00	KW-3T2-0374-M1	963.00	KW-3T2-0374-M7	1,394.00
12	KW-3-0375-M1	600.00	KW-3-0375-M7	1,054.00	KW-3T2-0375-M1	963.00	KW-3T2-0375-M7	1,394.00
12	KW-3-0376-M1	600.00	KW-3-0376-M7	1,054.00	KW-3T2-0376-M1	963.00	KW-3T2-0376-M7	1,394.00
18	KW-3-0377-M1	673.00	KW-3-0377-M7	1,110.00	KW-3T2-0377-M1	1,045.00	KW-3T2-0377-M7	1,451.00
18	KW-3-0378-M1	673.00	KW-3-0378-M7	1,110.00	KW-3T2-0378-M1	1,045.00	KW-3T2-0378-M7	1,451.00
18	KW-3-0379-M1	673.00	KW-3-0379-M7	1,110.00	KW-3T2-0379-M1	1,045.00	KW-3T2-0379-M7	1,451.00
18	KW-3-0380-M1	673.00	KW-3-0380-M7	1,110.00	KW-3T2-0380-M1	1,045.00	KW-3T2-0380-M7	1,451.00
19-1/2	KW-3-0381-M1	718.00	KW-3-0381-M7	1,149.00	KW-3T2-0381-M1	1,088.00	KW-3T2-0381-M7	1,486.00
19-1/2	KW-3-0382-M1	718.00	KW-3-0382-M7	1,149.00	KW-3T2-0382-M1	1,088.00	KW-3T2-0382-M7	1,486.00
19-1/2	KW-3-0383-M1	718.00	KW-3-0383-M7	1,149.00	KW-3T2-0383-M1	1,088.00	KW-3T2-0383-M7	1,486.00
19-1/2	KW-3-0384-M1	718.00	KW-3-0384-M7	1,149.00	KW-3T2-0384-M1	1,088.00	KW-3T2-0384-M7	1,486.00
25	KW-3-0385-M1	771.00	KW-3-0385-M7	1,200.00	KW-3T2-0385-M1	1,143.00	KW-3T2-0385-M7*	1,541.00
25	KW-3-0386-M1	771.00	KW-3-0386-M7	1,200.00	KW-3T2-0386-M1	1,143.00	KW-3T2-0386-M7	1,541.00
25	KW-3-0387-M1	771.00	KW-3-0387-M7	1,200.00	KW-3T2-0387-M1	1,143.00	KW-3T2-0387-M7	1,541.00
25	KW-3-0388-M1	771.00	KW-3-0388-M7	1,200.00	KW-3T2-0388-M1	1,143.00	KW-3T2-0388-M7	1,541.00
28	KW-3-0389-M1	803.00	KW-3-0389-M7	1,233.00	KW-3T2-0389-M1	1,175.00	KW-3T2-0389-M7*	1,572.00
28	KW-3-0390-M1	803.00	KW-3-0390-M7	1,233.00	KW-3T2-0390-M1	1,175.00	KW-3T2-0390-M7	1,572.00
28	KW-3-0391-M1	803.00	KW-3-0391-M7	1,233.00	KW-3T2-0391-M1	1,175.00	KW-3T2-0391-M7*	1,572.00
28	KW-3-0392-M1	803.00	KW-3-0392-M7	1,233.00	KW-3T2-0392-M1	1,175.00	KW-3T2-0392-M7	1,572.00
40-1/2	KW-3-0393-M1	1,039.00	KW-3-0393-M7	1,461.00	KW-3T2-0393-M1	1,416.00	KW-3T2-0393-M7*	1,801.00
40-1/2	KW-3-0394-M1	1,039.00	KW-3-0394-M7	1,461.00	KW-3T2-0394-M1	1,416.00	KW-3T2-0394-M7*	1,801.00
40-1/2	KW-3-0395-M1	1,039.00	KW-3-0395-M7	1,461.00	KW-3T2-0395-M1	1,416.00	KW-3T2-0395-M7*	1,801.00
40-1/2	KW-3-0396-M1	1,039.00	KW-3-0396-M7	1,461.00	KW-3T2-0396-M1	1,416.00	KW-3T2-0396-M7	1,801.00
48	KW-3-0397-M1	1,113.00	KW-3-0397-M7	1,534.00	KW-3T2-0397-M1	1,493.00	KW-3T2-0397-M7*	1,872.00
48	KW-3-0398-M1	1,113.00	KW-3-0398-M7	1,534.00	KW-3T2-0398-M1	1,493.00	KW-3T2-0398-M7*	1,872.00
48	KW-3-0399-M1	1,113.00	KW-3-0399-M7	1,534.00	KW-3T2-0399-M1	1,493.00	KW-3T2-0399-M7*	1,872.00
48	KW-3-0400-M1	1,113.00	KW-3-0400-M7	1,534.00	KW-3T2-0400-M1	1,493.00	KW-3T2-0400-M7*	1,872.00
54	KW-3-0401-M1	1,174.00	KW-3-0401-M7	1,592.00	KW-3T2-0401-M1	1,551.00	KW-3T2-0401-M7*	1,929.00
54	KW-3-0402-M1	1,174.00	KW-3-0402-M7	1,592.00	KW-3T2-0402-M1	1,551.00	KW-3T2-0402-M7*	1,929.00
54	KW-3-0403-M1	1,174.00	KW-3-0403-M7	1,592.00	KW-3T2-0403-M1	1,551.00	KW-3T2-0403-M7*	1,929.00
54	KW-3-0404-M1	1,174.00	KW-3-0404-M7	1,592.00	KW-3T2-0404-M1	1,551.00	KW-3T2-0404-M7*	1,929.00

B Dim	2-1/2" NPT -3 TUBULAR ELEMENTS						*requires use of external contactor	
7-1/2	KS-3-0008-M1	622.00	KS-3-0008-M7	1,073.00	KS-3T2-0008-M1	978.00	KS-3T2-0008-M7	1,410.00
7-1/2	KS-3-0009-M1	622.00	KS-3-0009-M7	1,073.00	KS-3T2-0009-M1	978.00	KS-3T2-0009-M7	1,410.00
7-1/2	KS-3-0010-M1	622.00	KS-3-0010-M7	1,073.00	KS-3T2-0010-M1	978.00	KS-3T2-0010-M7	1,410.00
11-1/4	KS-3-0011-M1	685.00	KS-3-0011-M7	1,137.00	KS-3T2-0011-M1	1,043.00	KS-3T2-0011-M7	1,476.00
11-1/4	KS-3-0012-M1	685.00	KS-3-0012-M7	1,137.00	KS-3T2-0012-M1	1,043.00	KS-3T2-0012-M7	1,476.00
11-1/4	KS-3-0013-M1	685.00	KS-3-0013-M7	1,137.00	KS-3T2-0013-M1	1,043.00	KS-3T2-0013-M7	1,476.00
11-1/4	KS-3-0014-M1	685.00	KS-3-0014-M7	1,137.00	KS-3T2-0014-M1	1,043.00	KS-3T2-0014-M7	1,476.00
17-1/4	KS-3-0015-M1	809.00	KS-3-0015-M7	1,264.00	KS-3T2-0015-M1	1,171.00	KS-3T2-0015-M7	1,601.00
17-1/4	KS-3-0016-M1	809.00	KS-3-0016-M7	1,264.00	KS-3T2-0016-M1	1,171.00	KS-3T2-0016-M7	1,601.00
17-1/4	KS-3-0017-M1	809.00	KS-3-0017-M7	1,264.00	KS-3T2-0017-M1	1,171.00	KS-3T2-0017-M7	1,601.00
17-1/4	KS-3-0018-M1	809.00	KS-3-0018-M7	1,264.00	KS-3T2-0018-M1	1,171.00	KS-3T2-0018-M7	1,601.00
19	KS-3-0019-M1	890.00	KS-3-0019-M7	1,317.00	KS-3T2-0019-M1	1,264.00	KS-3T2-0019-M7*	1,656.00
19	KS-3-0020-M1	890.00	KS-3-0020-M7	1,317.00	KS-3T2-0020-M1	1,264.00	KS-3T2-0020-M7	1,656.00
19	KS-3-0021-M1	890.00	KS-3-0021-M7	1,317.00	KS-3T2-0021-M1	1,264.00	KS-3T2-0021-M7	1,656.00
19	KS-3-0022-M1	890.00	KS-3-0022-M7	1,317.00	KS-3T2-0022-M1	1,264.00	KS-3T2-0022-M7	1,656.00
24-3/8	KS-3-0023-M1	949.00	KS-3-0023-M7	1,376.00	KS-3T2-0023-M1	1,325.00	KS-3T2-0023-M7*	1,713.00
24-3/8	KS-3-0024-M1	949.00	KS-3-0024-M7	1,376.00	KS-3T2-0024-M1	1,325.00	KS-3T2-0024-M7	1,713.00
24-3/8	KS-3-0025-M1	949.00	KS-3-0025-M7	1,376.00	KS-3T2-0025-M1	1,325.00	KS-3T2-0025-M7	1,713.00
24-3/8	KS-3-0026-M1	949.00	KS-3-0026-M7	1,376.00	KS-3T2-0026-M1	1,325.00	KS-3T2-0026-M7	1,713.00
32-1/4	KS-3-0027-M1	1,122.00	KS-3-0027-M7	1,542.00	KS-3T2-0027-M1	1,499.00	KS-3T2-0027-M7*	1,882.00
32-1/4	KS-3-0028-M1	1,122.00	KS-3-0028-M7	1,542.00	KS-3T2-0028-M1	1,499.00	KS-3T2-0028-M7	1,882.00
32-1/4	KS-3-0029-M1	1,122.00	KS-3-0029-M7	1,542.00	KS-3T2-0029-M1	1,499.00	KS-3T2-0029-M7*	1,882.00
32-1/4	KS-3-0030-M1	1,122.00	KS-3-0030-M7	1,542.00	KS-3T2-0030-M1	1,499.00	KS-3T2-0030-M7*	1,882.00
39-7/8	KS-3-0031-M1	1,204.00	KS-3-0031-M7	1,622.00	KS-3T2-0031-M1	1,588.00	KS-3T2-0031-M7*	1,966.00
39-7/8	KS-3-0032-M1	1,204.00	KS-3-0032-M7	1,622.00	KS-3T2-0032-M1	1,588.00	KS-3T2-0032-M7*	1,966.00
39-7/8	KS-3-0033-M1	1,204.00	KS-3-0033-M7	1,622.00	KS-3T2-0033-M1	1,588.00	KS-3T2-0033-M7*	1,966.00
39-7/8	KS-3-0034-M1	1,204.00	KS-3-0034-M7	1,622.00	KS-3T2-0034-M1	1,588.00	KS-3T2-0034-M7	1,966.00
47-3/8	KS-3-0035-M1	1,319.00	KS-3-0035-M7	1,734.00	KS-3T2-0035-M1	1,701.00	KS-3T2-0035-M7*	2,074.00
47-3/8	KS-3-0036-M1	1,319.00	KS-3-0036-M7	1,734.00	KS-3T2-0036-M1	1,701.00	KS-3T2-0036-M7*	2,074.00
47-3/8	KS-3-0037-M1	1,319.00	KS-3-0037-M7	1,734.00	KS-3T2-0037-M1	1,701.00	KS-3T2-0037-M7*	2,074.00
47-3/8	KS-3-0038-M1	1,319.00	KS-3-0038-M7	1,734.00	KS-3T2-0038-M1	1,701.00	KS-3T2-0038-M7*	2,074.00

INCOLOY ELEMENTS, HIGH WATT DENSITY, STAINLESS STEEL PIPE PLUG

B Dim	1-1/4" NPT -1 MIGHTY-BLADE ELEMENT -90 WATTS/SQ.IN.						*requires use of external contactor	
7-5/8	HJ-1-0152-M1	248.00	HJ-1-0152-M7	678.00	HJ-1T1-0152-M1*	371.00	HJ-1T1-0152-M7*	791.00
7-5/8	HJ-1-0153-M1	248.00	HJ-1-0153-M7*	678.00	HJ-1T1-0153-M1*	371.00	HJ-1T1-0153-M7*	791.00
11-1/8	HJ-1-0154-M1	316.00	HJ-1-0154-M7	750.00	HJ-1T1-0154-M1*	442.00	HJ-1T1-0154-M7*	864.00
11-1/8	HJ-1-0155-M1	316.00	HJ-1-0155-M7*	750.00	HJ-1T1-0155-M1*	442.00	HJ-1T1-0155-M7*	864.00
16-1/8	HJ-1-0156-M1	416.00	HJ-1-0156-M7	847.00	HJ-1T1-0156-M1*	540.00	HJ-1T1-0156-M7*	961.00
16-1/8	HJ-1-0157-M1	416.00	HJ-1-0157-M7*	847.00	HJ-1T1-0157-M1*	540.00	HJ-1T1-0157-M7*	961.00
19-1/8	HJ-1-0158-M1	491.00	HJ-1-0158-M7	907.00	HJ-1T1-0158-M1*	622.00	HJ-1T1-0158-M7*	1,022.00
19-1/8	HJ-1-0159-M1	491.00	HJ-1-0159-M7*	907.00	HJ-1T1-0159-M1*	622.00	HJ-1T1-0159-M7*	1,022.00
24-3/8	HJ-1-0160-M1	596.00	HJ-1-0160-M7	1,008.00	HJ-1T1-0160-M1*	728.00	HJ-1T1-0160-M7*	1,124.00
24-3/8	HJ-1-0161-M1	596.00	HJ-1-0161-M7*	1,008.00	HJ-1T1-0161-M1*	728.00	HJ-1T1-0161-M7*	1,124.00
29-5/8	HJ-1-0162-M1	702.00	HJ-1-0162-M7	1,112.00	HJ-1T1-0162-M1*	836.00	HJ-1T1-0162-M7*	1,227.00
29-5/8	HJ-1-0163-M1	702.00	HJ-1-0163-M7*	1,112.00	HJ-1T1-0163-M1*	836.00	HJ-1T1-0163-M7*	1,227.00
34-5/8	HJ-1-0164-M1	805.00	HJ-1-0164-M7	1,214.00	HJ-1T1-0164-M1*	942.00	HJ-1T1-0164-M7*	1,326.00
34-5/8	HJ-1-0165-M1	805.00	HJ-1-0165-M7*	1,214.00	HJ-1T1-0165-M1*	942.00	HJ-1T1-0165-M7*	1,326.00
45-1/8	HJ-1-0166-M1	1,014.00	HJ-1-0166-M7	1,419.00	HJ-1T1-0166-M1*	1,161.00	HJ-1T1-0166-M7*	1,532.00
45-1/8	HJ-1-0167-M1	1,014.00	HJ-1-0167-M7*	1,419.00	HJ-1T1-0167-M1*	1,161.00	HJ-1T1-0167-M7*	1,532.00
55-5/8	HJ-1-0168-M1	1,228.00	HJ-1-0168-M7	1,626.00	HJ-1T1-0168-M1*	1,380.00	HJ-1T1-0168-M7*	1,741.00

B Dim	1-1/4" NPT -1 MIGHTY-BLADE ELEMENT -45 WATTS/SQ.IN.						*requires use of external contactor	
13	HJ-1-0139-M1	376.00	HJ-1-0139-M7	809.00	HJ-1T1-0139-M1*	502.00	HJ-1T1-0139-M7*	923.00
15-1/2	HJ-1-0140-M1	385.00	HJ-1-0140-M7	816.00	HJ-1T1-0140-M1*	505.00	HJ-1T1-0140-M7*	930.00
18	HJ-1-0141-M1	460.00	HJ-1-0141-M7	878.00	HJ-1T1-0141-M1*	594.00	HJ-1T1-0141-M7*	993.00
22-1/2	HJ-1-0142-M1	522.00	HJ-1-0142-M7	965.00	HJ-1T1-0142-M1*	681.00	HJ-1T1-0142-M7*	1,081.00
22-1/2	HJ-1-0143-M1	522.00	HJ-1-0143-M7	965.00	HJ-1T1-0143-M1*	681.00	HJ-1T1-0143-M7*	1,081.00
27-1/2	HJ-1-0144-M1	651.00	HJ-1-0144-M7	1,066.00	HJ-1T1-0144-M1*	785.00	HJ-1T1-0144-M7*	1,180.00
27-1/2	HJ-1-0145-M1	651.00	HJ-1-0145-M7	1,066.00	HJ-1T1-0145-M1*	785.00	HJ-1T1-0145-M7*	1,180.00
32-1/2	HJ-1-0146-M1	759.00	HJ-1-0146-M7	1,167.00	HJ-1T1-0146-M1*	892.00	HJ-1T1-0146-M7*	1,280.00
32-1/2	HJ-1-0147-M1	759.00	HJ-1-0147-M7	1,167.00	HJ-1T1-0147-M1*	892.00	HJ-1T1-0147-M7*	1,280.00
42	HJ-1-0148-M1	946.00	HJ-1-0148-M7	1,352.00	HJ-1T1-0148-M1*	1,087.00	HJ-1T1-0148-M7*	1,467.00
42	HJ-1-0149-M1	946.00	HJ-1-0149-M7	1,352.00	HJ-1T1-0149-M1*	1,087.00	HJ-1T1-0149-M7*	1,467.00
51-1/2	HJ-1-0150-M1	1,139.00	HJ-1-0150-M7	1,536.00	HJ-1T1-0150-M1*	1,279.00	HJ-1T1-0150-M7*	1,654.00
51-1/2	HJ-1-0151-M1	1,139.00	HJ-1-0151-M7	1,536.00	HJ-1T1-0151-M1*	1,279.00	HJ-1T1-0151-M7*	1,654.00

B Dim	2" NPT -1 TUBULAR ELEMENT							
12	KW-1-0309-M1	316.00	KW-1-0309-M7	761.00	KW-1T2-0309-M1	658.00	KW-1T2-0309-M7	1,090.00
12	KW-1-0310-M1	316.00	KW-1-0310-M7	761.00	KW-1T2-0310-M1	658.00	KW-1T2-0310-M7	1,090.00
18	KW-1-0311-M1	351.00	KW-1-0311-M7	785.00	KW-1T2-0311-M1	707.00	KW-1T2-0311-M7	1,117.00
18	KW-1-0312-M1	351.00	KW-1-0312-M7	785.00	KW-1T2-0312-M1	707.00	KW-1T2-0312-M7	1,117.00

B Dim	2" NPT -2 TUBULAR ELEMENTS						*requires use of external contactor	
8	KW-2-0313-M1	570.00	KW-2-0313-M7	1,007.00	KW-2T2-0313-M1	907.00	KW-2T2-0313-M7	1,318.00
8	KW-2-0314-M1	570.00	KW-2-0314-M7	1,007.00	KW-2T2-0314-M1	907.00	KW-2T2-0314-M7	1,318.00
9-1/2	KW-2-0315-M1	578.00	KW-2-0315-M7	1,014.00	KW-2T2-0315-M1	914.00	KW-2T2-0315-M7	1,329.00
9-1/2	KW-2-0316-M1	578.00	KW-2-0316-M7	1,014.00	KW-2T2-0316-M1	914.00	KW-2T2-0316-M7	1,329.00
12	KW-2-0317-M1	594.00	KW-2-0317-M7	1,027.00	KW-2T2-0317-M1	924.00	KW-2T2-0317-M7	1,343.00
12	KW-2-0318-M1	594.00	KW-2-0318-M7	1,027.00	KW-2T2-0318-M1	924.00	KW-2T2-0318-M7	1,343.00
18	KW-2-0319-M1	673.00	KW-2-0319-M7	1,100.00	KW-2T2-0319-M1	1,034.00	KW-2T2-0319-M7	1,431.00
18	KW-2-0320-M1	673.00	KW-2-0320-M7	1,100.00	KW-2T2-0320-M1	1,034.00	KW-2T2-0320-M7	1,431.00
19-1/2	KW-2-0321-M1	711.00	KW-2-0321-M7	1,136.00	KW-2T2-0321-M1	1,071.00	KW-2T2-0321-M7	1,465.00
19-1/2	KW-2-0322-M1	711.00	KW-2-0322-M7	1,136.00	KW-2T2-0322-M1	1,071.00	KW-2T2-0322-M7	1,465.00
25	KW-2-0323-M1	751.00	KW-2-0323-M7	1,172.00	KW-2T2-0323-M1	1,113.00	KW-2T2-0323-M7	1,505.00
25	KW-2-0324-M1	751.00	KW-2-0324-M7	1,172.00	KW-2T2-0324-M1	1,113.00	KW-2T2-0324-M7	1,505.00
28	KW-2-0325-M1	767.00	KW-2-0325-M7	1,190.00	KW-2T2-0325-M1	1,131.00	KW-2T2-0325-M7	1,518.00
28	KW-2-0326-M1	767.00	KW-2-0326-M7	1,190.00	KW-2T2-0326-M1	1,131.00	KW-2T2-0326-M7	1,518.00
40-1/2	KW-2-0327-M1	964.00	KW-2-0327-M7	1,382.00	KW-2T2-0327-M1	1,332.00	KW-2T2-0327-M7*	1,710.00
40-1/2	KW-2-0328-M1	964.00	KW-2-0328-M7	1,382.00	KW-2T2-0328-M1	1,332.00	KW-2T2-0328-M7	1,710.00
48	KW-2-0329-M1	1,011.00	KW-2-0329-M7	1,428.00	KW-2T2-0329-M1	1,381.00	KW-2T2-0329-M7*	1,756.00
48	KW-2-0330-M1	1,011.00	KW-2-0330-M7	1,428.00	KW-2T2-0330-M1	1,381.00	KW-2T2-0330-M7*	1,756.00
54	KW-2-0331-M1	1,048.00	KW-2-0331-M7	1,465.00	KW-2T2-0331-M1	1,419.00	KW-2T2-0331-M7*	1,794.00
54	KW-2-0332-M1	1,048.00	KW-2-0332-M7	1,465.00	KW-2T2-0332-M1	1,419.00	KW-2T2-0332-M7*	1,794.00

B Dim	2" NPT -3 TUBULAR ELEMENTS						*requires use of external contactor	
8	KW-3-0405-M1	631.00	KW-3-0405-M7	1,079.00	KW-3T2-0405-M1	982.00	KW-3T2-0405-M7	1,409.00
8	KW-3-0406-M1	631.00	KW-3-0406-M7	1,079.00	KW-3T2-0406-M1	982.00	KW-3T2-0406-M7	1,409.00
8	KW-3-0407-M1	631.00	KW-3-0407-M7	1,079.00	KW-3T2-0407-M1	982.00	KW-3T2-0407-M7	1,409.00
8	KW-3-0408-M1	631.00	KW-3-0408-M7	1,079.00	KW-3T2-0408-M1	982.00	KW-3T2-0408-M7	1,409.00
9-1/2	KW-3-0409-M1	644.00	KW-3-0409-M7	1,091.00	KW-3T2-0409-M1	995.00	KW-3T2-0409-M7	1,422.00
9-1/2	KW-3-0410-M1	644.00	KW-3-0410-M7	1,091.00	KW-3T2-0410-M1	995.00	KW-3T2-0410-M7	1,422.00
9-1/2	KW-3-0411-M1	644.00	KW-3-0411-M7	1,091.00	KW-3T2-0411-M1	995.00	KW-3T2-0411-M7	1,422.00
9-1/2	KW-3-0412-M1	644.00	KW-3-0412-M7	1,091.00	KW-3T2-0412-M1	995.00	KW-3T2-0412-M7	1,422.00
12	KW-3-0413-M1	670.00	KW-3-0413-M7	1,114.00	KW-3T2-0413-M1	1,019.00	KW-3T2-0413-M7	1,445.00
12	KW-3-0414-M1	670.00	KW-3-0414-M7	1,114.00	KW-3T2-0414-M1	1,019.00	KW-3T2-0414-M7	1,445.00
12	KW-3-0415-M1	670.00	KW-3-0415-M7	1,114.00	KW-3T2-0415-M1	1,019.00	KW-3T2-0415-M7	1,445.00
12	KW-3-0416-M1	670.00	KW-3-0416-M7	1,114.00	KW-3T2-0416-M1	1,019.00	KW-3T2-0416-M7	1,445.00
18	KW-3-0417-M1	754.00	KW-3-0417-M7	1,174.00	KW-3T2-0417-M1	1,114.00	KW-3T2-0417-M7	1,506.00
18	KW-3-0418-M1	754.00	KW-3-0418-M7	1,174.00	KW-3T2-0418-M1	1,114.00	KW-3T2-0418-M7	1,506.00
18	KW-3-0419-M1	754.00	KW-3-0419-M7	1,174.00	KW-3T2-0419-M1	1,114.00	KW-3T2-0419-M7	1,506.00
18	KW-3-0420-M1	754.00	KW-3-0420-M7	1,174.00	KW-3T2-0420-M1	1,114.00	KW-3T2-0420-M7	1,506.00
19-1/2	KW-3-0421-M1	787.00	KW-3-0421-M7	1,213.00	KW-3T2-0421-M1*	1,154.00	KW-3T2-0421-M7*	1,541.00
19-1/2	KW-3-0422-M1	787.00	KW-3-0422-M7	1,213.00	KW-3T2-0422-M1	1,154.00	KW-3T2-0422-M7	1,541.00
19-1/2	KW-3-0423-M1	787.00	KW-3-0423-M7	1,213.00	KW-3T2-0423-M1	1,154.00	KW-3T2-0423-M7	1,541.00
19-1/2	KW-3-0424-M1	787.00	KW-3-0424-M7	1,213.00	KW-3T2-0424-M1	1,154.00	KW-3T2-0424-M7	1,541.00
25	KW-3-0425-M1	850.00	KW-3-0425-M7	1,270.00	KW-3T2-0425-M1*	1,215.00	KW-3T2-0425-M7*	1,600.00
25	KW-3-0426-M1	850.00	KW-3-0426-M7	1,270.00	KW-3T2-0426-M1	1,215.00	KW-3T2-0426-M7	1,600.00
25	KW-3-0427-M1	850.00	KW-3-0427-M7	1,270.00	KW-3T2-0427-M1	1,215.00	KW-3T2-0427-M7	1,600.00
25	KW-3-0428-M1	850.00	KW-3-0428-M7	1,270.00	KW-3T2-0428-M1	1,215.00	KW-3T2-0428-M7	1,600.00
28	KW-3-0429-M1	879.00	KW-3-0429-M7	1,302.00	KW-3T2-0429-M1*	1,249.00	KW-3T2-0429-M7*	1,633.00
28	KW-3-0430-M1	879.00	KW-3-0430-M7	1,302.00	KW-3T2-0430-M1	1,249.00	KW-3T2-0430-M7	1,633.00
28	KW-3-0431-M1	879.00	KW-3-0431-M7	1,302.00	KW-3T2-0431-M1*	1,249.00	KW-3T2-0431-M7*	1,633.00
28	KW-3-0432-M1	879.00	KW-3-0432-M7	1,302.00	KW-3T2-0432-M1	1,249.00	KW-3T2-0432-M7	1,633.00
40-1/2	KW-3-0433-M1	1,129.00	KW-3-0433-M7	1,540.00	KW-3T2-0433-M1*	1,495.00	KW-3T2-0433-M7*	1,870.00
40-1/2	KW-3-0434-M1	1,129.00	KW-3-0434-M7	1,540.00	KW-3T2-0434-M1*	1,495.00	KW-3T2-0434-M7*	1,870.00
40-1/2	KW-3-0435-M1	1,129.00	KW-3-0435-M7	1,540.00	KW-3T2-0435-M1*	1,495.00	KW-3T2-0435-M7*	1,870.00
40-1/2	KW-3-0436-M1	1,129.00	KW-3-0436-M7	1,540.00	KW-3T2-0436-M1	1,495.00	KW-3T2-0436-M7	1,870.00
48	KW-3-0437-M1	1,207.00	KW-3-0437-M7	1,619.00	KW-3T2-0437-M1*	1,579.00	KW-3T2-0437-M7*	1,948.00
48	KW-3-0438-M1	1,207.00	KW-3-0438-M7	1,619.00	KW-3T2-0438-M1*	1,579.00	KW-3T2-0438-M7*	1,948.00
48	KW-3-0439-M1	1,207.00	KW-3-0439-M7	1,619.00	KW-3T2-0439-M1*	1,579.00	KW-3T2-0439-M7*	1,948.00
48	KW-3-0440-M1	1,207.00	KW-3-0440-M7	1,619.00	KW-3T2-0440-M1*	1,579.00	KW-3T2-0440-M7*	1,948.00
54	KW-3-0441-M1	1,268.00	KW-3-0441-M7	1,765.00	KW-3T2-0441-M1*	1,641.00	KW-3T2-0441-M7*	2,008.00
54	KW-3-0442-M1	1,268.00	KW-3-0442-M7	1,765.00	KW-3T2-0442-M1*	1,641.00	KW-3T2-0442-M7*	2,008.00
54	KW-3-0443-M1	1,268.00	KW-3-0443-M7	1,765.00	KW-3T2-0443-M1*	1,641.00	KW-3T2-0443-M7*	2,008.00
54	KW-3-0444-M1	1,268.00	KW-3-0444-M7	1,765.00	KW-3T2-0444-M1*	1,641.00	KW-3T2-0444-M7*	2,008.00

B Dim	2-1/2" NPT -3 MIGHTY-BLADE ELEMENTS - 90 WATTS/SQ.IN.						*requires use of external contactor	
15-1/8	HS-3-0436-M1	921.00	HS-3-0436-M7	1,366.00	HS-3T1-0436-M1*	1,078.00	HS-3T1-0436-M7*	1,501.00
15-1/8	HS-3-0437-M1	921.00	HS-3-0437-M7	1,366.00	HS-3T1-0437-M1*	1,078.00	HS-3T1-0437-M7*	1,501.00
18-1/8	HS-3-0438-M1	1,075.00	HS-3-0438-M7	1,485.00	HS-3T1-0438-M1*	1,236.00	HS-3T1-0438-M7*	1,621.00
18-1/8	HS-3-0439-M1	1,075.00	HS-3-0439-M7	1,485.00	HS-3T1-0439-M1*	1,236.00	HS-3T1-0439-M7*	1,621.00
23-1/8	HS-3-0440-M1	1,279.00	HS-3-0440-M7	1,685.00	HS-3T1-0440-M1*	1,445.00	HS-3T1-0440-M7*	1,850.00
28-5/8	HS-3-0441-M1	1,501.00	HS-3-0441-M7	1,901.00	HS-3T1-0441-M1*	1,672.00	HS-3T1-0441-M7*	2,035.00
33-5/8	HS-3-0442-M1	1,705.00	HS-3-0442-M7	2,100.00	HS-3T1-0442-M1*	1,879.00	HS-3T1-0442-M7*	2,235.00

B Dim	2-1/2" NPT -3 MIGHTY BLADE ELEMENTS -45 WATTS/SQ.IN.						*requires use of external contactor	
12	HS-3-0425-M1	732.00	HS-3-0425-M7	1,178.00	HS-3T1-0425-M1*	884.00	HS-3T1-0425-M7*	1,311.00
14-1/2	HS-3-0426-M1	888.00	HS-3-0426-M7	1,329.00	HS-3T1-0426-M1*	1,040.00	HS-3T1-0426-M7*	1,464.00
17	HS-3-0427-M1	978.00	HS-3-0427-M7	1,422.00	HS-3T1-0427-M1*	1,133.00	HS-3T1-0427-M7*	1,560.00
21-1/2	HS-3-0428-M1	1,187.00	HS-3-0428-M7	1,596.00	HS-3T1-0428-M1*	1,351.00	HS-3T1-0428-M7*	1,731.00
21-1/2	HS-3-0429-M1	1,187.00	HS-3-0429-M7	1,596.00	HS-3T1-0429-M1*	1,351.00	HS-3T1-0429-M7*	1,731.00
26-1/2	HS-3-0430-M1	1,390.00	HS-3-0430-M7	1,794.00	HS-3T1-0430-M1*	1,560.00	HS-3T1-0430-M7*	1,927.00
26-1/2	HS-3-0431-M1	1,390.00	HS-3-0431-M7	1,794.00	HS-3T1-0431-M1*	1,560.00	HS-3T1-0431-M7*	1,927.00
31-1/2	HS-3-0432-M1	1,595.00	HS-3-0432-M7	1,994.00	HS-3T1-0432-M1*	1,769.00	HS-3T1-0432-M7*	2,127.00
31-1/2	HS-3-0433-M1	1,595.00	HS-3-0433-M7	1,994.00	HS-3T1-0433-M1*	1,769.00	HS-3T1-0433-M7*	2,127.00
41	HS-3-0434-M1	1,979.00	HS-3-0434-M7	2,364.00	HS-3T1-0434-M1*	2,161.00	HS-3T1-0434-M7*	2,498.00
50-1/2	HS-3-0435-M1	2,361.00	HS-3-0435-M7	2,738.00	HS-3T1-0435-M1*	2,550.00	HS-3T1-0435-M7*	2,873.00

B Dim	2-1/2" NPT -3 TUBULAR ELEMENTS						*requires use of external contactor	
7-1/8	KS-3-0215-M1	658.00	KS-3-0215-M7	1,091.00	KS-3T2-0215-M1	991.00	KS-3T2-0215-M7	1,406.00
7-1/8	KS-3-0216-M1	658.00	KS-3-0216-M7	1,091.00	KS-3T2-0216-M1	991.00	KS-3T2-0216-M7	1,406.00
7-1/8	KS-3-0217-M1	658.00	KS-3-0217-M7	1,091.00	KS-3T2-0217-M1	991.00	KS-3T2-0217-M7	1,406.00
11-1/4	KS-3-0218-M1	727.00	KS-3-0218-M7	1,091.00	KS-3T2-0218-M1	991.00	KS-3T2-0218-M7	1,406.00
11-1/4	KS-3-0219-M1	727.00	KS-3-0219-M7	1,159.00	KS-3T2-0219-M1	1,061.00	KS-3T2-0219-M7	1,473.00
11-1/4	KS-3-0220-M1	727.00	KS-3-0220-M7	1,159.00	KS-3T2-0220-M1	1,061.00	KS-3T2-0220-M7	1,473.00
11-1/4	KS-3-0221-M1	727.00	KS-3-0221-M7	1,159.00	KS-3T2-0221-M1	1,061.00	KS-3T2-0221-M7	1,473.00
17-1/4	KS-3-0222-M1	820.00	KS-3-0222-M7	1,252.00	KS-3T2-0222-M1	1,156.00	KS-3T2-0222-M7	1,568.00
17-1/4	KS-3-0223-M1	820.00	KS-3-0223-M7	1,252.00	KS-3T2-0223-M1	1,156.00	KS-3T2-0223-M7	1,568.00
17-1/4	KS-3-0224-M1	820.00	KS-3-0224-M7	1,252.00	KS-3T2-0224-M1	1,156.00	KS-3T2-0224-M7	1,568.00
17-1/4	KS-3-0225-M1	820.00	KS-3-0225-M7	1,252.00	KS-3T2-0225-M1	1,156.00	KS-3T2-0225-M7	1,568.00
19	KS-3-0226-M1	934.00	KS-3-0226-M7	1,354.00	KS-3T2-0226-M1	1,299.00	KS-3T2-0226-M7	1,685.00
19	KS-3-0227-M1	934.00	KS-3-0227-M7	1,354.00	KS-3T2-0227-M1	1,299.00	KS-3T2-0227-M7	1,685.00
19	KS-3-0228-M1	934.00	KS-3-0228-M7	1,354.00	KS-3T2-0228-M1	1,299.00	KS-3T2-0228-M7	1,685.00
19	KS-3-0229-M1	934.00	KS-3-0229-M7	1,354.00	KS-3T2-0229-M1	1,299.00	KS-3T2-0229-M7	1,685.00
24-3/8	KS-3-0230-M1	1,036.00	KS-3-0230-M7	1,457.00	KS-3T2-0230-M1	1,410.00	KS-3T2-0230-M7	1,796.00
24-3/8	KS-3-0231-M1	1,036.00	KS-3-0231-M7	1,457.00	KS-3T2-0231-M1	1,410.00	KS-3T2-0231-M7	1,796.00
24-3/8	KS-3-0232-M1	1,036.00	KS-3-0232-M7	1,457.00	KS-3T2-0232-M1	1,410.00	KS-3T2-0232-M7	1,796.00
24-3/8	KS-3-0233-M1	1,036.00	KS-3-0233-M7	1,457.00	KS-3T2-0233-M1	1,410.00	KS-3T2-0233-M7	1,796.00
32-1/4	KS-3-0234-M1	1,214.00	KS-3-0234-M7	1,632.00	KS-3T2-0234-M1*	1,595.00	KS-3T2-0234-M7*	1,972.00
32-1/4	KS-3-0235-M1	1,214.00	KS-3-0235-M7	1,632.00	KS-3T2-0235-M1	1,595.00	KS-3T2-0235-M7	1,972.00
32-1/4	KS-3-0236-M1	1,214.00	KS-3-0236-M7	1,632.00	KS-3T2-0236-M1*	1,595.00	KS-3T2-0236-M7*	1,972.00
32-1/4	KS-3-0237-M1	1,214.00	KS-3-0237-M7	1,632.00	KS-3T2-0237-M1	1,595.00	KS-3T2-0237-M7	1,972.00
39-7/8	KS-3-0238-M1	1,299.00	KS-3-0238-M7	1,713.00	KS-3T2-0238-M1*	1,685.00	KS-3T2-0238-M7*	2,053.00
39-7/8	KS-3-0239-M1	1,299.00	KS-3-0239-M7	1,713.00	KS-3T2-0239-M1*	1,685.00	KS-3T2-0239-M7*	2,053.00
39-7/8	KS-3-0240-M1	1,299.00	KS-3-0240-M7	1,713.00	KS-3T2-0240-M1*	1,685.00	KS-3T2-0240-M7*	2,053.00
39-7/8	KS-3-0241-M1	1,299.00	KS-3-0241-M7	1,713.00	KS-3T2-0241-M1	1,685.00	KS-3T2-0241-M7	2,053.00
47-3/8	KS-3-0242-M1	1,386.00	KS-3-0242-M7	1,799.00	KS-3T2-0242-M1*	1,773.00	KS-3T2-0242-M7*	2,140.00
47-3/8	KS-3-0243-M1	1,386.00	KS-3-0243-M7	1,799.00	KS-3T2-0243-M1*	1,773.00	KS-3T2-0243-M7*	2,140.00
47-3/8	KS-3-0244-M1	1,386.00	KS-3-0244-M7	1,799.00	KS-3T2-0244-M1*	1,773.00	KS-3T2-0244-M7*	2,140.00
47-3/8	KS-3-0245-M1	1,386.00	KS-3-0245-M7	1,799.00	KS-3T2-0245-M1*	1,773.00	KS-3T2-0245-M7*	2,140.00

STEEL ELEMENTS, MEDIUM WATT DENSITY, STEEL PIPE PLUG

B Dim	1" NPT -1 TUBULAR ELEMENT							
9-1/4	KE-1-0001-M1	161.00	KE-1-0001-M7	596.00	KE-1T1-0001-M1	284.00	KE-1T1-0001-M7	711.00
9-1/4	KE-1-0002-M1	161.00	KE-1-0002-M7	596.00	KE-1T1-0002-M1	284.00	KE-1T1-0002-M7	711.00
12-9/16	KE-1-0005-M1	166.00	KE-1-0005-M7	599.00	KE-1T1-0005-M1	288.00	KE-1T1-0005-M7	714.00
12-9/16	KE-1-0006-M1	166.00	KE-1-0006-M7	599.00	KE-1T1-0006-M1	288.00	KE-1T1-0006-M7	714.00
15-11/16	KE-1-0007-M1	171.00	KE-1-0007-M7	603.00	KE-1T1-0007-M1	293.00	KE-1T1-0007-M7	719.00
15-11/16	KE-1-0008-M1	171.00	KE-1-0008-M7	603.00	KE-1T1-0008-M1	293.00	KE-1T1-0008-M7	719.00
18-7/8	KE-1-0009-M1	185.00	KE-1-0009-M7	609.00	KE-1T1-0009-M1	306.00	KE-1T1-0009-M7	725.00
18-7/8	KE-1-0010-M1	185.00	KE-1-0010-M7	609.00	KE-1T1-0010-M1	306.00	KE-1T1-0010-M7	725.00
22-1/16	KE-1-0011-M1	204.00	KE-1-0011-M7	631.00	KE-1T1-0011-M1	329.00	KE-1T1-0011-M7	749.00
22-1/16	KE-1-0012-M1	204.00	KE-1-0012-M7	631.00	KE-1T1-0012-M1	329.00	KE-1T1-0012-M7	749.00
28-7/16	KE-1-0013-M1	214.00	KE-1-0013-M7	641.00	KE-1T1-0013-M1	339.00	KE-1T1-0013-M7	758.00

B Dim	1" NPT -1 TUBULAR ELEMENT							
28-7/8	KE-1-0014-M1	214.00	KE-1-0014-M7	641.00	KE-1T1-0014-M1	339.00	KE-1T1-0014-M7	758.00
34-7/8	KE-1-0015-M1	219.00	KE-1-0015-M7	644.00	KE-1T1-0015-M1	345.00	KE-1T1-0015-M7	761.00
34-7/8	KE-1-0016-M1	219.00	KE-1-0016-M7	644.00	KE-1T1-0016-M1	345.00	KE-1T1-0016-M7	761.00
41-3/16	KE-1-0017-M1	221.00	KE-1-0017-M7	649.00	KE-1T1-0017-M1	348.00	KE-1T1-0017-M7	764.00

B Dim	1-1/4" NPT -2 TUBULAR ELEMENTS							
12-1/2	KH-2-0003-M1	235.00	KH-2-0003-M7	668.00	KH-2T1-0003-M1	357.00	KH-2T1-0003-M7	781.00
12-1/2	KH-2-0004-M1	235.00	KH-2-0004-M7	668.00	KH-2T1-0004-M1	357.00	KH-2T1-0004-M7	781.00

B Dim	2" NPT -2 TUBULAR ELEMENTS							
11-7/8	KB-2-0003-M1	316.00	KB-2-0003-M7	770.00	KB-2T2-0003-M1	672.00	KB-2T2-0003-M7	1,111.00
11-7/8	KB-2-0004-M1	316.00	KB-2-0004-M7	770.00	KB-2T2-0004-M1	672.00	KB-2T2-0004-M7	1,111.00
11-7/8	KB-2-0005-M1	316.00	KB-2-0005-M7	770.00	KB-2T2-0005-M1	672.00	KB-2T2-0005-M7	1,111.00
17-7/8	KB-2-0006-M1	348.00	KB-2-0006-M7	803.00	KB-2T2-0006-M1	702.00	KB-2T2-0006-M7	1,139.00
17-7/8	KB-2-0007-M1	348.00	KB-2-0007-M7	803.00	KB-2T2-0007-M1	702.00	KB-2T2-0007-M7	1,139.00
17-7/8	KB-2-0008-M1	348.00	KB-2-0008-M7	803.00	KB-2T2-0008-M1	702.00	KB-2T2-0008-M7	1,139.00
19-3/4	KB-2-0009-M1	363.00	KB-2-0009-M7	808.00	KB-2T2-0009-M1	728.00	KB-2T2-0009-M7	1,145.00
19-3/4	KB-2-0010-M1	363.00	KB-2-0010-M7	808.00	KB-2T2-0010-M1	728.00	KB-2T2-0010-M7	1,145.00
19-3/4	KB-2-0011-M1	363.00	KB-2-0011-M7	808.00	KB-2T2-0011-M1	728.00	KB-2T2-0011-M7	1,145.00
25	KB-2-0012-M1	410.00	KB-2-0012-M7	850.00	KB-2T2-0012-M1	775.00	KB-2T2-0012-M7	1,189.00
25	KB-2-0013-M1	410.00	KB-2-0013-M7	850.00	KB-2T2-0013-M1	775.00	KB-2T2-0013-M7	1,189.00
25	KB-2-0014-M1	410.00	KB-2-0014-M7	850.00	KB-2T2-0014-M1	775.00	KB-2T2-0014-M7	1,189.00
33	KB-2-0015-M1	535.00	KB-2-0015-M7	973.00	KB-2T2-0015-M1	906.00	KB-2T2-0015-M7	1,313.00
33	KB-2-0016-M1	535.00	KB-2-0016-M7	973.00	KB-2T2-0016-M1	906.00	KB-2T2-0016-M7	1,313.00
33	KB-2-0017-M1	535.00	KB-2-0017-M7	973.00	KB-2T2-0017-M1	906.00	KB-2T2-0017-M7	1,313.00
40-1/2	KB-2-0018-M1	572.00	KB-2-0018-M7	1,009.00	KB-2T2-0018-M1	942.00	KB-2T2-0018-M7	1,348.00
40-1/2	KB-2-0019-M1	572.00	KB-2-0019-M7	1,009.00	KB-2T2-0019-M1	942.00	KB-2T2-0019-M7	1,348.00
40-1/2	KB-2-0020-M1	572.00	KB-2-0020-M7	1,009.00	KB-2T2-0020-M1	942.00	KB-2T2-0020-M7	1,348.00
48	KB-2-0021-M1	580.00	KB-2-0021-M7	1,015.00	KB-2T2-0021-M1	946.00	KB-2T2-0021-M7	1,357.00
48	KB-2-0022-M1	580.00	KB-2-0022-M7	1,015.00	KB-2T2-0022-M1	946.00	KB-2T2-0022-M7	1,357.00

B Dim	2" NPT -3 TUBULAR ELEMENTS						*requires use of external contactor	
11-7/8	KB-3-0186-M1	348.00	KB-3-0186-M7	803.00	KB-3T2-0186-M1	702.00	KB-3T2-0186-M7	1,139.00
11-7/8	KB-3-0187-M1	348.00	KB-3-0187-M7	803.00	KB-3T2-0187-M1	702.00	KB-3T2-0187-M7	1,139.00
11-7/8	KB-3-0188-M1	348.00	KB-3-0188-M7	803.00	KB-3T2-0188-M1	702.00	KB-3T2-0188-M7	1,139.00
11-7/8	KB-3-0189-M1	348.00	KB-3-0189-M7	803.00	KB-3T2-0189-M1	702.00	KB-3T2-0189-M7	1,139.00
17-7/8	KB-3-0190-M1	392.00	KB-3-0190-M7	844.00	KB-3T2-0190-M1	745.00	KB-3T2-0190-M7	1,185.00
17-7/8	KB-3-0191-M1	392.00	KB-3-0191-M7	844.00	KB-3T2-0191-M1	745.00	KB-3T2-0191-M7	1,185.00
17-7/8	KB-3-0192-M1	392.00	KB-3-0192-M7	844.00	KB-3T2-0192-M1	745.00	KB-3T2-0192-M7	1,185.00
17-7/8	KB-3-0193-M1	392.00	KB-3-0193-M7	844.00	KB-3T2-0193-M1	745.00	KB-3T2-0193-M7	1,185.00
19-3/4	KB-3-0194-M1	418.00	KB-3-0194-M7	862.00	KB-3T2-0194-M1	782.00	KB-3T2-0194-M7	1,197.00
19-3/4	KB-3-0195-M1	418.00	KB-3-0195-M7	862.00	KB-3T2-0195-M1	782.00	KB-3T2-0195-M7	1,197.00
19-3/4	KB-3-0196-M1	418.00	KB-3-0196-M7	862.00	KB-3T2-0196-M1	782.00	KB-3T2-0196-M7	1,197.00
19-3/4	KB-3-0197-M1	418.00	KB-3-0197-M7	862.00	KB-3T2-0197-M1	782.00	KB-3T2-0197-M7	1,197.00
25	KB-3-0198-M1	418.00	KB-3-0198-M7	910.00	KB-3T2-0198-M1	835.00	KB-3T2-0198-M7	1,248.00
25	KB-3-0199-M1	418.00	KB-3-0199-M7	910.00	KB-3T2-0199-M1	835.00	KB-3T2-0199-M7	1,248.00
25	KB-3-0200-M1	418.00	KB-3-0200-M7	910.00	KB-3T2-0200-M1	835.00	KB-3T2-0200-M7	1,248.00
25	KB-3-0201-M1	418.00	KB-3-0201-M7	910.00	KB-3T2-0201-M1	835.00	KB-3T2-0201-M7	1,248.00
33	KB-3-0202-M1	468.00	KB-3-0202-M7	1,054.00	KB-3T2-0202-M1	990.00	KB-3T2-0202-M7	1,394.00
33	KB-3-0203-M1	468.00	KB-3-0203-M7	1,054.00	KB-3T2-0203-M1	990.00	KB-3T2-0203-M7	1,394.00
33	KB-3-0204-M1	468.00	KB-3-0204-M7	1,054.00	KB-3T2-0204-M1	990.00	KB-3T2-0204-M7	1,394.00
33	KB-3-0205-M1	468.00	KB-3-0205-M7	1,054.00	KB-3T2-0205-M1	990.00	KB-3T2-0205-M7	1,394.00
40-1/2	KB-3-0206-M1	617.00	KB-3-0206-M7	1,111.00	KB-3T2-0206-M1*	1,047.00	KB-3T2-0206-M7*	1,452.00
40-1/2	KB-3-0207-M1	617.00	KB-3-0207-M7	1,111.00	KB-3T2-0207-M1	1,047.00	KB-3T2-0207-M7	1,452.00
40-1/2	KB-3-0208-M1	617.00	KB-3-0208-M7	1,111.00	KB-3T2-0208-M1	1,047.00	KB-3T2-0208-M7	1,452.00
40-1/2	KB-3-0209-M1	617.00	KB-3-0209-M7	1,111.00	KB-3T2-0209-M1	1,047.00	KB-3T2-0209-M7	1,452.00
48	KB-3-0210-M1	718.00	KB-3-0210-M7	1,149.00	KB-3T2-0210-M1*	1,088.00	KB-3T2-0210-M7*	1,486.00
48	KB-3-0211-M1	718.00	KB-3-0211-M7	1,149.00	KB-3T2-0211-M1	1,088.00	KB-3T2-0211-M7	1,486.00
48	KB-3-0212-M1	718.00	KB-3-0212-M7	1,149.00	KB-3T2-0212-M1	1,088.00	KB-3T2-0212-M7	1,486.00
48	KB-3-0213-M1	718.00	KB-3-0213-M7	1,149.00	KB-3T2-0213-M1	1,088.00	KB-3T2-0213-M7	1,486.00

B Dim	2-1/2" NPT -3 TUBULAR ELEMENTS							
17-1/2	KQ-3-0005-M1	461.00	KQ-3-0005-M7	917.00	KQ-3T2-0005-M1	817.00	KQ-3T2-0005-M7	1,254.00
17-1/2	KQ-3-0006-M1	461.00	KQ-3-0006-M7	917.00	KQ-3T2-0006-M1	817.00	KQ-3T2-0006-M7	1,254.00
17-1/2	KQ-3-0007-M1	461.00	KQ-3-0007-M7	917.00	KQ-3T2-0007-M1	817.00	KQ-3T2-0007-M7	1,254.00
17-1/2	KQ-3-0008-M1	461.00	KQ-3-0008-M7	917.00	KQ-3T2-0008-M1	817.00	KQ-3T2-0008-M7	1,254.00
19-5/16	KQ-3-0009-M1	497.00	KQ-3-0009-M7	934.00	KQ-3T2-0009-M1	864.00	KQ-3T2-0009-M7	1,272.00
19-5/16	KQ-3-0010-M1	497.00	KQ-3-0010-M7	934.00	KQ-3T2-0010-M1	864.00	KQ-3T2-0010-M7	1,272.00
19-5/16	KQ-3-0011-M1	497.00	KQ-3-0011-M7	934.00	KQ-3T2-0011-M1	864.00	KQ-3T2-0011-M7	1,272.00
19-5/16	KQ-3-0012-M1	497.00	KQ-3-0012-M7	934.00	KQ-3T2-0012-M1	864.00	KQ-3T2-0012-M7	1,272.00

B Dim	2-1/2" NPT -3 TUBULAR ELEMENTS							
24-5/8	KQ-3-0013-M1	539.00	KQ-3-0013-M7	977.00	KQ-3T2-0013-M1	906.00	KQ-3T2-0013-M7	1,317.00
24-5/8	KQ-3-0014-M1	539.00	KQ-3-0014-M7	977.00	KQ-3T2-0014-M1	906.00	KQ-3T2-0014-M7	1,317.00
24-5/8	KQ-3-0015-M1	539.00	KQ-3-0015-M7	977.00	KQ-3T2-0015-M1	906.00	KQ-3T2-0015-M7	1,317.00
24-5/8	KQ-3-0016-M1	539.00	KQ-3-0016-M7	977.00	KQ-3T2-0016-M1	906.00	KQ-3T2-0016-M7	1,317.00
32-9/16	KQ-3-0017-M1	698.00	KQ-3-0017-M7	1,130.00	KQ-3T2-0017-M1	1,067.00	KQ-3T2-0017-M7	1,469.00
32-9/16	KQ-3-0018-M1	698.00	KQ-3-0018-M7	1,130.00	KQ-3T2-0018-M1	1,067.00	KQ-3T2-0018-M7	1,469.00
32-9/16	KQ-3-0019-M1	698.00	KQ-3-0019-M7	1,130.00	KQ-3T2-0019-M1	1,067.00	KQ-3T2-0019-M7	1,469.00
32-9/16	KQ-3-0020-M1	698.00	KQ-3-0020-M7	1,130.00	KQ-3T2-0020-M1	1,067.00	KQ-3T2-0020-M7	1,469.00
40	KQ-3-0021-M1	763.00	KQ-3-0021-M7	1,191.00	KQ-3T2-0021-M1	1,133.00	KQ-3T2-0021-M7	1,523.00
40	KQ-3-0022-M1	763.00	KQ-3-0022-M7	1,191.00	KQ-3T2-0022-M1	1,133.00	KQ-3T2-0022-M7	1,523.00
40	KQ-3-0023-M1	763.00	KQ-3-0023-M7	1,191.00	KQ-3T2-0023-M1	1,133.00	KQ-3T2-0023-M7	1,523.00
40	KQ-3-0024-M1	763.00	KQ-3-0024-M7	1,191.00	KQ-3T2-0024-M1	1,133.00	KQ-3T2-0024-M7	1,523.00
47-9/16	KQ-3-0025-M1	830.00	KQ-3-0025-M7	1,260.00	KQ-3T2-0025-M1	1,203.00	KQ-3T2-0025-M7	1,600.00
47-9/16	KQ-3-0026-M1	830.00	KQ-3-0026-M7	1,260.00	KQ-3T2-0026-M1	1,203.00	KQ-3T2-0026-M7	1,600.00
47-9/16	KQ-3-0027-M1	830.00	KQ-3-0027-M7	1,260.00	KQ-3T2-0027-M1	1,203.00	KQ-3T2-0027-M7	1,600.00
47-9/16	KQ-3-0028-M1	830.00	KQ-3-0028-M7	1,260.00	KQ-3T2-0028-M1	1,203.00	KQ-3T2-0028-M7	1,600.00

INCOLOY ELEMENTS, MEDIUM WATT DENSITY, STAINLESS STEEL PIPE PLUG

B Dim	1" NPT -1 TUBULAR ELEMENT							
9-1/4	KG-1-0046-M1	203.00	KG-1-0046-M7	636.00	KG-1T1-0046-M1	326.00	KG-1T1-0046-M7	754.00
9-1/4	KG-1-0047-M1	203.00	KG-1-0047-M7	636.00	KG-1T1-0047-M1	326.00	KG-1T1-0047-M7	754.00
12-9/16	KG-1-0048-M1	211.00	KG-1-0048-M7	643.00	KG-1T1-0048-M1	330.00	KG-1T1-0048-M7	760.00
12-9/16	KG-1-0049-M1	211.00	KG-1-0049-M7	643.00	KG-1T1-0049-M1	330.00	KG-1T1-0049-M7	760.00
15-11/16	KG-1-0050-M1	219.00	KG-1-0050-M7	651.00	KG-1T1-0050-M1	340.00	KG-1T1-0050-M7	767.00
15-11/16	KG-1-0051-M1	219.00	KG-1-0051-M7	651.00	KG-1T1-0051-M1	340.00	KG-1T1-0051-M7	767.00
18-7/8	KG-1-0052-M1	249.00	KG-1-0052-M7	669.00	KG-1T1-0052-M1	370.00	KG-1T1-0052-M7	782.00
18-7/8	KG-1-0053-M1	249.00	KG-1-0053-M7	669.00	KG-1T1-0053-M1	370.00	KG-1T1-0053-M7	782.00
22-1/16	KG-1-0054-M1	261.00	KG-1-0054-M7	688.00	KG-1T1-0054-M1	390.00	KG-1T1-0054-M7	803.00
22-1/16	KG-1-0055-M1	261.00	KG-1-0055-M7	388.00	KG-1T1-0055-M1	390.00	KG-1T1-0055-M7	803.00
28-7/16	KG-1-0056-M1	274.00	KG-1-0056-M7	700.00	KG-1T1-0056-M1	402.00	KG-1T1-0056-M7	814.00
28-7/16	KG-1-0057-M1	274.00	KG-1-0057-M7	700.00	KG-1T1-0057-M1	402.00	KG-1T1-0057-M7	814.00
34-7/8	KG-1-0058-M1	283.00	KG-1-0058-M7	708.00	KG-1T1-0058-M1	408.00	KG-1T1-0058-M7	822.00
34-7/8	KG-1-0059-M1	283.00	KG-1-0059-M7	708.00	KG-1T1-0059-M1	408.00	KG-1T1-0059-M7	822.00
41-3/16	KG-1-0060-M1	288.00	KG-1-0060-M7	712.00	KG-1T1-0060-M1	411.00	KG-1T1-0060-M7	827.00

B Dim	1-1/4" NPT -2 TUBULAR ELEMENTS							
12-1/2	KJ-2-0039-M1	309.00	KJ-2-0039-M7	743.00	KJ-2T1-0039-M1	435.00	KJ-2T1-0039-M7	861.00
12-1/2	KJ-2-0040-M1	309.00	KJ-2-0040-M7	743.00	KJ-2T1-0040-M1	435.00	KJ-2T1-0040-M7	861.00

B Dim	1-1/4" NPT -ONE MIGHTY-BLADE ELEMENT -30 WATTS/SQ.IN.						*requires use of external contactor	
16-1/8	HJ-1-0125-M1	416.00	HJ-1-0125-M7	847.00	HJ-1T1-0125-M1*	540.00	HJ-1T1-0125-M7*	961.00
16-1/8	HJ-1-0126-M1	416.00	HJ-1-0126-M7	847.00	HJ-1T1-0126-M1*	540.00	HJ-1T1-0126-M7*	961.00
19-1/8	HJ-1-0127-M1	491.00	HJ-1-0127-M7	907.00	HJ-1T1-0127-M1*	622.00	HJ-1T1-0127-M7*	1,022.00
19-1/8	HJ-1-0128-M1	491.00	HJ-1-0128-M7	907.00	HJ-1T1-0128-M1*	622.00	HJ-1T1-0128-M7*	1,022.00
24-3/8	HJ-1-0129-M1	594.00	HJ-1-0129-M7	1,008.00	HJ-1T1-0129-M1*	728.00	HJ-1T1-0129-M7*	1,124.00
24-3/8	HJ-1-0130-M1	594.00	HJ-1-0130-M7	1,008.00	HJ-1T1-0130-M1*	728.00	HJ-1T1-0130-M7*	1,124.00
29-5/8	HJ-1-0131-M1	702.00	HJ-1-0131-M7	1,112.00	HJ-1T1-0131-M1*	836.00	HJ-1T1-0131-M7*	1,227.00
29-5/8	HJ-1-0132-M1	702.00	HJ-1-0132-M7	1,112.00	HJ-1T1-0132-M1*	836.00	HJ-1T1-0132-M7*	1,227.00
34-5/8	HJ-1-0133-M1	805.00	HJ-1-0133-M7	1,214.00	HJ-1T1-0133-M1*	942.00	HJ-1T1-0133-M7*	1,326.00
34-5/8	HJ-1-0134-M1	805.00	HJ-1-0134-M7	1,214.00	HJ-1T1-0134-M1*	942.00	HJ-1T1-0134-M7*	1,326.00
45-1/8	HJ-1-0135-M1	1,014.00	HJ-1-0135-M7	1,419.00	HJ-1T1-0135-M1*	1,161.00	HJ-1T1-0135-M7*	1,532.00
45-1/8	HJ-1-0136-M1	1,014.00	HJ-1-0136-M7	1,419.00	HJ-1T1-0136-M1*	1,161.00	HJ-1T1-0136-M7*	1,532.00
55-5/8	HJ-1-0137-M1	1,228.00	HJ-1-0137-M7	1,626.00	HJ-1T1-0137-M1*	1,380.00	HJ-1T1-0137-M7*	1,741.00
55-5/8	HJ-1-0138-M1	1,228.00	HJ-1-0138-M7	1,626.00	HJ-1T1-0138-M1*	1,380.00	HJ-1T1-0138-M7*	1,741.00

B Dim	1-1/4" NPT -ONE MIGHTY-BLADE ELEMENT -23 WATTS/SQ.IN.						*requires use of external contactor	
16-1/8	HJ-1-0113-M1	416.00	HJ-1-0113-M7	847.00	HJ-1T1-0113-M1*	540.00	HJ-1T1-0113-M7*	961.00
19-1/8	HJ-1-0114-M1	491.00	HJ-1-0114-M7	907.00	HJ-1T1-0114-M1*	622.00	HJ-1T1-0114-M7*	1,022.00
24-3/8	HJ-1-0115-M1	596.00	HJ-1-0115-M7	1,008.00	HJ-1T1-0115-M1*	728.00	HJ-1T1-0115-M7*	1,124.00
24-3/8	HJ-1-0116-M1	596.00	HJ-1-0116-M7	1,008.00	HJ-1T1-0116-M1*	728.00	HJ-1T1-0116-M7*	1,124.00
29-5/8	HJ-1-0117-M1	702.00	HJ-1-0117-M7	1,112.00	HJ-1T1-0117-M1*	836.00	HJ-1T1-0117-M7*	1,227.00
29-5/8	HJ-1-0118-M1	702.00	HJ-1-0118-M7	1,112.00	HJ-1T1-0118-M1*	836.00	HJ-1T1-0118-M7*	1,227.00
34-5/8	HJ-1-0119-M1	805.00	HJ-1-0119-M7	1,214.00	HJ-1T1-0119-M1*	942.00	HJ-1T1-0119-M7*	1,326.00
34-5/8	HJ-1-0120-M1	805.00	HJ-1-0120-M7	1,214.00	HJ-1T1-0120-M1*	942.00	HJ-1T1-0120-M7*	1,326.00
45-1/8	HJ-1-0121-M1	1,014.00	HJ-1-0121-M7	1,419.00	HJ-1T1-0121-M1*	1,161.00	HJ-1T1-0121-M7*	1,532.00
45-1/8	HJ-1-0122-M1	1,014.00	HJ-1-0122-M7	1,419.00	HJ-1T1-0122-M1*	1,161.00	HJ-1T1-0122-M7*	1,532.00
55-5/8	HJ-1-0123-M1	1,228.00	HJ-1-0123-M7	1,626.00	HJ-1T1-0123-M1*	1,380.00	HJ-1T1-0123-M7*	1,741.00
55-5/8	HJ-1-0124-M1	1,228.00	HJ-1-0124-M7	1,626.00	HJ-1T1-0124-M1*	1,380.00	HJ-1T1-0124-M7*	1,741.00

B Dim		2" NPT -2 TUBULAR ELEMENTS						
11-7/8	KW-2-0333-M1	589.00	KW-2-0333-M7	1,022.00	KW-2T2-0333-M1	920.00	KW-2T2-0333-M7	1,335.00
11-7/8	KW-2-0334-M1	589.00	KW-2-0334-M7	1,022.00	KW-2T2-0334-M1	920.00	KW-2T2-0334-M7	1,335.00
11-7/8	KW-2-0335-M1	589.00	KW-2-0335-M7	1,022.00	KW-2T2-0335-M1	920.00	KW-2T2-0335-M7	1,335.00
17-7/8	KW-2-0336-M1	649.00	KW-2-0336-M7	1,093.00	KW-2T2-0336-M1	997.00	KW-2T2-0336-M7	1,425.00
17-7/8	KW-2-0337-M1	649.00	KW-2-0337-M7	1,093.00	KW-2T2-0337-M1	997.00	KW-2T2-0337-M7	1,425.00
17-7/8	KW-2-0338-M1	649.00	KW-2-0338-M7	1,093.00	KW-2T2-0338-M1	997.00	KW-2T2-0338-M7	1,425.00
19-3/4	KW-2-0339-M1	713.00	KW-2-0339-M7	1,138.00	KW-2T2-0339-M1	1,075.00	KW-2T2-0339-M7	1,469.00
19-3/4	KW-2-0340-M1	713.00	KW-2-0340-M7	1,138.00	KW-2T2-0340-M1	1,075.00	KW-2T2-0340-M7	1,469.00
19-3/4	KW-2-0341-M1	713.00	KW-2-0341-M7	1,138.00	KW-2T2-0341-M1	1,075.00	KW-2T2-0341-M7	1,469.00
25	KW-2-0342-M1	751.00	KW-2-0342-M7	1,172.00	KW-2T2-0342-M1	1,113.00	KW-2T2-0342-M7	1,505.00
25	KW-2-0343-M1	751.00	KW-2-0343-M7	1,172.00	KW-2T2-0343-M1	1,113.00	KW-2T2-0343-M7	1,505.00
25	KW-2-0344-M1	751.00	KW-2-0344-M7	1,172.00	KW-2T2-0344-M1	1,113.00	KW-2T2-0344-M7	1,505.00
33	KW-2-0345-M1	833.00	KW-2-0345-M7	1,253.00	KW-2T2-0345-M1	1,197.00	KW-2T2-0345-M7	1,581.00
33	KW-2-0346-M1	833.00	KW-2-0346-M7	1,253.00	KW-2T2-0346-M1	1,197.00	KW-2T2-0346-M7	1,581.00
33	KW-2-0347-M1	833.00	KW-2-0347-M7	1,253.00	KW-2T2-0347-M1	1,197.00	KW-2T2-0347-M7	1,581.00
40-1/2	KW-2-0348-M1	964.00	KW-2-0348-M7	1,382.00	KW-2T2-0348-M1	1,332.00	KW-2T2-0348-M7	1,710.00
40-1/2	KW-2-0349-M1	964.00	KW-2-0349-M7	1,382.00	KW-2T2-0349-M1	1,332.00	KW-2T2-0349-M7	1,710.00
40-1/2	KW-2-0350-M1	964.00	KW-2-0350-M7	1,382.00	KW-2T2-0350-M1	1,332.00	KW-2T2-0350-M7	1,710.00
48	KW-2-0351-M1	1,011.00	KW-2-0351-M7	1,428.00	KW-2T2-0351-M1	1,380.00	KW-2T2-0351-M7	1,756.00
48	KW-2-0352-M1	1,011.00	KW-2-0352-M7	1,428.00	KW-2T2-0352-M1	1,380.00	KW-2T2-0352-M7	1,756.00

B Dim		2" NPT -3 TUBULAR ELEMENTS					*requires use of external contactor	
11-7/8	KW-3-0445-M1	664.00	KW-3-0445-M7	1,110.00	KW-3T2-0445-M1	1,011.00	KW-3T2-0445-M7	1,438.00
11-7/8	KW-3-0446-M1	664.00	KW-3-0446-M7	1,110.00	KW-3T2-0446-M1	1,011.00	KW-3T2-0446-M7	1,438.00
11-7/8	KW-3-0447-M1	664.00	KW-3-0447-M7	1,110.00	KW-3T2-0447-M1	1,011.00	KW-3T2-0447-M7	1,438.00
11-7/8	KW-3-0448-M1	664.00	KW-3-0448-M7	1,110.00	KW-3T2-0448-M1	1,011.00	KW-3T2-0448-M7	1,438.00
17-7/8	KW-3-0449-M1	719.00	KW-3-0449-M7	1,167.00	KW-3T2-0449-M1	1,072.00	KW-3T2-0449-M7	1,495.00
17-7/8	KW-3-0450-M1	719.00	KW-3-0450-M7	1,167.00	KW-3T2-0450-M1	1,072.00	KW-3T2-0450-M7	1,495.00
17-7/8	KW-3-0451-M1	719.00	KW-3-0451-M7	1,167.00	KW-3T2-0451-M1	1,072.00	KW-3T2-0451-M7	1,495.00
17-7/8	KW-3-0452-M1	719.00	KW-3-0452-M7	1,167.00	KW-3T2-0452-M1	1,072.00	KW-3T2-0452-M7	1,495.00
19-3/4	KW-3-0453-M1	796.00	KW-3-0453-M7	1,217.00	KW-3T2-0453-M1	1,161.00	KW-3T2-0453-M7	1,544.00
19-3/4	KW-3-0454-M1	796.00	KW-3-0454-M7	1,217.00	KW-3T2-0454-M1	1,161.00	KW-3T2-0454-M7	1,544.00
19-3/4	KW-3-0455-M1	796.00	KW-3-0455-M7	1,217.00	KW-3T2-0455-M1	1,161.00	KW-3T2-0455-M7	1,544.00
19-3/4	KW-3-0456-M1	796.00	KW-3-0456-M7	1,217.00	KW-3T2-0456-M1	1,161.00	KW-3T2-0456-M7	1,544.00
25	KW-3-0457-M1	852.00	KW-3-0457-M7	1,272.00	KW-3T2-0457-M1	1,217.00	KW-3T2-0457-M7	1,601.00
25	KW-3-0458-M1	852.00	KW-3-0458-M7	1,272.00	KW-3T2-0458-M1	1,217.00	KW-3T2-0458-M7	1,601.00
25	KW-3-0459-M1	852.00	KW-3-0459-M7	1,272.00	KW-3T2-0459-M1	1,217.00	KW-3T2-0459-M7	1,601.00
25	KW-3-0460-M1	852.00	KW-3-0460-M7	1,272.00	KW-3T2-0460-M1	1,217.00	KW-3T2-0460-M7	1,601.00
33	KW-3-0461-M1	969.00	KW-3-0461-M7	1,383.00	KW-3T2-0461-M1	1,334.00	KW-3T2-0461-M7	1,711.00
33	KW-3-0462-M1	969.00	KW-3-0462-M7	1,383.00	KW-3T2-0462-M1	1,334.00	KW-3T2-0462-M7	1,711.00
33	KW-3-0463-M1	969.00	KW-3-0463-M7	1,383.00	KW-3T2-0463-M1	1,334.00	KW-3T2-0463-M7	1,711.00
33	KW-3-0464-M1	969.00	KW-3-0464-M7	1,383.00	KW-3T2-0464-M1	1,334.00	KW-3T2-0464-M7	1,711.00
40-1/2	KW-3-0465-M1	1,129.00	KW-3-0465-M7	1,540.00	KW-3T2-0465-M1	1,495.00	KW-3T2-0465-M7*	1,870.00
40-1/2	KW-3-0466-M1	1,129.00	KW-3-0466-M7	1,540.00	KW-3T2-0466-M1	1,495.00	KW-3T2-0466-M7	1,870.00
40-1/2	KW-3-0467-M1	1,129.00	KW-3-0467-M7	1,540.00	KW-3T2-0467-M1	1,495.00	KW-3T2-0467-M7	1,870.00
40-1/2	KW-3-0468-M1	1,129.00	KW-3-0468-M7	1,540.00	KW-3T2-0468-M1	1,495.00	KW-3T2-0468-M7	1,870.00
48	KW-3-0469-M1	1,207.00	KW-3-0469-M7	1,619.00	KW-3T2-0469-M1	1,579.00	KW-3T2-0469-M7*	2,032.00
48	KW-3-0470-M1	1,207.00	KW-3-0470-M7	1,619.00	KW-3T2-0470-M1	1,579.00	KW-3T2-0470-M7	2,032.00
48	KW-3-0471-M1	1,207.00	KW-3-0471-M7	1,619.00	KW-3T2-0471-M1	1,579.00	KW-3T2-0471-M7	2,032.00
48	KW-3-0472-M1	1,207.00	KW-3-0472-M7	1,619.00	KW-3T2-0472-M1	1,579.00	KW-3T2-0472-M7	2,032.00

B Dim		2-1/2" NPT -3 MIGHTY-BLADE ELEMENTS - 30 WATTS/SQ.IN.					*requires use of external contactor	
15-1/8	HS-3-0412-M1	921.00	HS-3-0412-M7	1,366.00	HS-3T2-0412-M1*	1,078.00	HS-3T2-0412-M7*	1,501.00
15-1/8	HS-3-0413-M1	921.00	HS-3-0413-M7	1,366.00	HS-3T2-0413-M1*	1,078.00	HS-3T2-0413-M7*	1,501.00
18-1/8	HS-3-0414-M1	1,075.00	HS-3-0414-M7	1,485.00	HS-3T2-0414-M1*	1,236.00	HS-3T2-0414-M7*	1,621.00
18-1/8	HS-3-0415-M1	1,075.00	HS-3-0415-M7	1,485.00	HS-3T2-0415-M1*	1,236.00	HS-3T2-0415-M7*	1,621.00
23-1/8	HS-3-0416-M1	1,275.00	HS-3-0416-M7	1,685.00	HS-3T2-0416-M1*	1,445.00	HS-3T2-0416-M7*	1,850.00
23-1/8	HS-3-0417-M1	1,275.00	HS-3-0417-M7	1,685.00	HS-3T2-0417-M1*	1,445.00	HS-3T2-0417-M7*	1,850.00
28-5/8	HS-3-0418-M1	1,501.00	HS-3-0418-M7	1,901.00	HS-3T2-0418-M1*	1,672.00	HS-3T2-0418-M7*	2,035.00
28-5/8	HS-3-0419-M1	1,501.00	HS-3-0419-M7	1,901.00	HS-3T2-0419-M1*	1,672.00	HS-3T2-0419-M7*	2,035.00
33-5/8	HS-3-0420-M1	1,705.00	HS-3-0420-M7	2,100.00	HS-3T2-0420-M1*	1,879.00	HS-3T2-0420-M7*	2,235.00
33-5/8	HS-3-0421-M1	1,705.00	HS-3-0421-M7	2,100.00	HS-3T2-0421-M1*	1,879.00	HS-3T2-0421-M7*	2,235.00
44-1/8	HS-3-0422-M1	2,128.00	HS-3-0422-M7	2,513.00	HS-3T2-0422-M1*	2,315.00	HS-3T2-0422-M7*	2,647.00
44-1/8	HS-3-0423-M1	2,128.00	HS-3-0423-M7	2,513.00	HS-3T2-0423-M1*	2,315.00	HS-3T2-0423-M7*	2,647.00
54-5/8	HS-3-0424-M1	2,553.00	HS-3-0424-M7	2,924.00	HS-3T2-0424-M1*	2,746.00	HS-3T2-0424-M7*	3,060.00

B Dim	2-1/2" NPT -3 MIGHTY-BLADE ELEMENTS - 23 WATTS/SQ.IN.						*requires use of external contactor	
15-1/8	HS-3-0400-M1	921.00	HS-3-0400-M7	1,366.00	HS-3T2-0400-M1*	1,078.00	HS-3T2-0400-M7*	1,501.00
18-1/8	HS-3-0401-M1	1,075.00	HS-3-0401-M7	1,485.00	HS-3T2-0401-M1*	1,236.00	HS-3T2-0401-M7*	1,621.00
23-1/8	HS-3-0402-M1	1,275.00	HS-3-0402-M7	1,685.00	HS-3T2-0402-M1*	1,445.00	HS-3T2-0402-M7*	1,850.00
23-1/8	HS-3-0403-M1	1,275.00	HS-3-0403-M7	1,685.00	HS-3T2-0403-M1*	1,445.00	HS-3T2-0403-M7*	1,850.00
28-5/8	HS-3-0404-M1	1,501.00	HS-3-0404-M7	1,901.00	HS-3T2-0404-M1*	1,672.00	HS-3T2-0404-M7*	2,035.00
28-5/8	HS-3-0405-M1	1,501.00	HS-3-0405-M7	1,901.00	HS-3T2-0405-M1*	1,672.00	HS-3T2-0405-M7*	2,035.00
33-5/8	HS-3-0406-M1	1,705.00	HS-3-0406-M7	2,100.00	HS-3T2-0406-M1*	1,879.00	HS-3T2-0406-M7*	2,235.00
33-5/8	HS-3-0407-M1	1,705.00	HS-3-0407-M7	2,100.00	HS-3T2-0407-M1*	1,879.00	HS-3T2-0407-M7*	2,235.00
44-1/8	HS-3-0408-M1	2,130.00	HS-3-0408-M7	2,513.00	HS-3T2-0408-M1*	2,316.00	HS-3T2-0408-M7*	2,647.00
44-1/8	HS-3-0409-M1	2,130.00	HS-3-0409-M7	2,513.00	HS-3T2-0409-M1*	2,316.00	HS-3T2-0409-M7*	2,647.00
54-5/8	HS-3-0410-M1	2,553.00	HS-3-0410-M7	2,924.00	HS-3T2-0410-M1*	2,746.00	HS-3T2-0410-M7*	3,060.00
54-5/8	HS-3-0411-M1	2,553.00	HS-3-0411-M7	2,924.00	HS-3T2-0411-M1*	2,746.00	HS-3T2-0411-M7*	3,060.00

B Dim	2-1/2" NPT -3 TUBULAR ELEMENTS							
17-1/2	KS-3-0246-M1	816.00	KS-3-0246-M7	1,249.00	KS-3T2-0246-M1	1,129.00	KS-3T2-0246-M7	1,566.00
17-1/2	KS-3-0247-M1	816.00	KS-3-0247-M7	1,249.00	KS-3T2-0247-M1	1,129.00	KS-3T2-0247-M7	1,566.00
17-1/2	KS-3-0248-M1	816.00	KS-3-0248-M7	1,249.00	KS-3T2-0248-M1	1,129.00	KS-3T2-0248-M7	1,566.00
17-1/2	KS-3-0249-M1	816.00	KS-3-0249-M7	1,249.00	KS-3T2-0249-M1	1,129.00	KS-3T2-0249-M7	1,566.00
19-5/16	KS-3-0250-M1	939.00	KS-3-0250-M7	1,358.00	KS-3T2-0250-M1	1,278.00	KS-3T2-0250-M7	1,689.00
19-5/16	KS-3-0251-M1	939.00	KS-3-0251-M7	1,358.00	KS-3T2-0251-M1	1,278.00	KS-3T2-0251-M7	1,689.00
19-5/16	KS-3-0252-M1	939.00	KS-3-0252-M7	1,358.00	KS-3T2-0252-M1	1,278.00	KS-3T2-0252-M7	1,689.00
19-5/16	KS-3-0253-M1	939.00	KS-3-0253-M7	1,358.00	KS-3T2-0253-M1	1,278.00	KS-3T2-0253-M7	1,689.00
24-5/8	KS-3-0254-M1	1,036.00	KS-3-0254-M7	1,458.00	KS-3T2-0254-M1	1,386.00	KS-3T2-0254-M7	1,799.00
24-5/8	KS-3-0255-M1	1,036.00	KS-3-0255-M7	1,458.00	KS-3T2-0255-M1	1,386.00	KS-3T2-0255-M7	1,799.00
24-5/8	KS-3-0256-M1	1,036.00	KS-3-0256-M7	1,458.00	KS-3T2-0256-M1	1,386.00	KS-3T2-0256-M7	1,799.00
24-5/8	KS-3-0257-M1	1,036.00	KS-3-0257-M7	1,458.00	KS-3T2-0257-M1	1,386.00	KS-3T2-0257-M7	1,799.00
32-9/16	KS-3-0258-M1	1,215.00	KS-3-0258-M7	1,633.00	KS-3T2-0258-M1	1,564.00	KS-3T2-0258-M7	1,973.00
32-9/16	KS-3-0259-M1	1,215.00	KS-3-0259-M7	1,633.00	KS-3T2-0259-M1	1,564.00	KS-3T2-0259-M7	1,973.00
32-9/16	KS-3-0260-M1	1,215.00	KS-3-0260-M7	1,633.00	KS-3T2-0260-M1	1,564.00	KS-3T2-0260-M7	1,973.00
32-9/16	KS-3-0261-M1	1,215.00	KS-3-0261-M7	1,633.00	KS-3T2-0261-M1	1,564.00	KS-3T2-0261-M7	1,973.00
40	KS-3-0262-M1	1,306.00	KS-3-0262-M7	1,719.00	KS-3T2-0262-M1	1,654.00	KS-3T2-0262-M7	2,059.00
40	KS-3-0263-M1	1,306.00	KS-3-0263-M7	1,719.00	KS-3T2-0263-M1	1,654.00	KS-3T2-0263-M7	2,059.00
40	KS-3-0264-M1	1,306.00	KS-3-0264-M7	1,719.00	KS-3T2-0264-M1	1,654.00	KS-3T2-0264-M7	2,059.00
40	KS-3-0265-M1	1,306.00	KS-3-0265-M7	1,719.00	KS-3T2-0265-M1	1,654.00	KS-3T2-0265-M7	2,059.00
47-9/16	KS-3-0266-M1	1,392.00	KS-3-0266-M7	1,805.00	KS-3T2-0266-M1	1,742.00	KS-3T2-0266-M7	2,146.00
47-9/16	KS-3-0267-M1	1,392.00	KS-3-0267-M7	1,805.00	KS-3T2-0267-M1	1,742.00	KS-3T2-0267-M7	2,146.00
47-9/16	KS-3-0268-M1	1,392.00	KS-3-0268-M7	1,805.00	KS-3T2-0268-M1	1,742.00	KS-3T2-0268-M7	2,146.00
47-9/16	KS-3-0269-M1	1,392.00	KS-3-0269-M7	1,805.00	KS-3T2-0269-M1	1,742.00	KS-3T2-0269-M7	2,146.00

STEEL ELEMENTS, LOW WATT DENSITY, STEEL PIPE PLUG

B Dim	2" NPT -2 TUBULAR ELEMENTS							
25	KB-2-0174-M1	410.00	KB-2-0174-M7	850.00	KB-2T2-0174-M1	760.00	KB-2T2-0174-M7	1,189.00
25	KB-2-0175-M1	410.00	KB-2-0175-M7	850.00	KB-2T2-0175-M1	760.00	KB-2T2-0175-M7	1,189.00
33	KB-2-0176-M1	535.00	KB-2-0176-M7	973.00	KB-2T2-0176-M1	887.00	KB-2T2-0176-M7	1,313.00
33	KB-2-0177-M1	535.00	KB-2-0177-M7	973.00	KB-2T2-0177-M1	887.00	KB-2T2-0177-M7	1,313.00
40-1/2	KB-2-0178-M1	572.00	KB-2-0178-M7	1,009.00	KB-2T2-0178-M1	923.00	KB-2T2-0178-M7	1,348.00
40-1/2	KB-2-0179-M1	572.00	KB-2-0179-M7	1,009.00	KB-2T2-0179-M1	923.00	KB-2T2-0179-M7	1,348.00
48	KB-2-0180-M1	580.00	KB-2-0180-M7	1,015.00	KB-2T2-0180-M1	927.00	KB-2T2-0180-M7	1,357.00
48	KB-2-0181-M1	580.00	KB-2-0181-M7	1,015.00	KB-2T2-0181-M1	927.00	KB-2T2-0181-M7	1,357.00
57-1/2	KB-2-0182-M1	625.00	KB-2-0182-M7	1,058.00	KB-2T2-0182-M1	973.00	KB-2T2-0182-M7	1,400.00
57-1/2	KB-2-0183-M1	625.00	KB-2-0183-M7	1,058.00	KB-2T2-0183-M1	973.00	KB-2T2-0183-M7	1,400.00
68-1/2	KB-2-0184-M1	675.00	KB-2-0184-M7	1,112.00	KB-2T2-0184-M1	1,028.00	KB-2T2-0184-M7	1,453.00
68-1/2	KB-2-0185-M1	675.00	KB-2-0185-M7	1,112.00	KB-2T2-0185-M1	1,028.00	KB-2T2-0185-M7	1,453.00

B Dim	2" NPT -3 TUBULAR ELEMENTS							
25	KB-3-0214-M1	468.00	KB-3-0214-M7	910.00	KB-3T2-0214-M1	818.00	KB-3T2-0214-M7	1,248.00
25	KB-3-0215-M1	468.00	KB-3-0215-M7	910.00	KB-3T2-0215-M1	818.00	KB-3T2-0215-M7	1,248.00
25	KB-3-0216-M1	468.00	KB-3-0216-M7	910.00	KB-3T2-0216-M1	818.00	KB-3T2-0216-M7	1,248.00
25	KB-3-0217-M1	468.00	KB-3-0217-M7	910.00	KB-3T2-0217-M1	818.00	KB-3T2-0217-M7	1,248.00
33	KB-3-0218-M1	617.00	KB-3-0218-M7	1,054.00	KB-3T2-0218-M1	971.00	KB-3T2-0218-M7	1,394.00
33	KB-3-0219-M1	617.00	KB-3-0219-M7	1,054.00	KB-3T2-0219-M1	971.00	KB-3T2-0219-M7	1,394.00
33	KB-3-0220-M1	617.00	KB-3-0220-M7	1,054.00	KB-3T2-0220-M1	971.00	KB-3T2-0220-M7	1,394.00
33	KB-3-0221-M1	617.00	KB-3-0221-M7	1,054.00	KB-3T2-0221-M1	971.00	KB-3T2-0221-M7	1,394.00
40-1/2	KB-3-0222-M1	673.00	KB-3-0222-M7	1,110.00	KB-3T2-0222-M1	1,024.00	KB-3T2-0222-M7	1,451.00
40-1/2	KB-3-0223-M1	673.00	KB-3-0223-M7	1,110.00	KB-3T2-0223-M1	1,024.00	KB-3T2-0223-M7	1,451.00
40-1/2	KB-3-0224-M1	673.00	KB-3-0224-M7	1,110.00	KB-3T2-0224-M1	1,024.00	KB-3T2-0224-M7	1,451.00
40-1/2	KB-3-0225-M1	673.00	KB-3-0225-M7	1,110.00	KB-3T2-0225-M1	1,024.00	KB-3T2-0225-M7	1,451.00

B Dim	2" NPT -3 TUBULAR ELEMENTS						*requires use of external contactor	
48	KB-3-0226-M1	718.00	KB-3-0226-M7	1,149.00	KB-3T2-0226-M1	1,067.00	KB-3T2-0226-M7	1,486.00
48	KB-3-0227-M1	718.00	KB-3-0227-M7	1,149.00	KB-3T2-0227-M1	1,067.00	KB-3T2-0227-M7	1,486.00
48	KB-3-0228-M1	718.00	KB-3-0228-M7	1,149.00	KB-3T2-0228-M1	1,067.00	KB-3T2-0228-M7	1,486.00
48	KB-3-0229-M1	718.00	KB-3-0229-M7	1,149.00	KB-3T2-0229-M1	1,067.00	KB-3T2-0229-M7	1,486.00
57-1/2	KB-3-0230-M1	771.00	KB-3-0230-M7	1,200.00	KB-3T2-0230-M1	1,120.00	KB-3T2-0230-M7*	1,541.00
57-1/2	KB-3-0231-M1	771.00	KB-3-0231-M7	1,200.00	KB-3T2-0231-M1	1,120.00	KB-3T2-0231-M7	1,541.00
57-1/2	KB-3-0232-M1	771.00	KB-3-0232-M7	1,200.00	KB-3T2-0232-M1	1,120.00	KB-3T2-0232-M7	1,541.00
57-1/2	KB-3-0233-M1	771.00	KB-3-0233-M7	1,200.00	KB-3T2-0233-M1	1,120.00	KB-3T2-0233-M7	1,541.00
68-1/2	KB-3-0234-M1	852.00	KB-3-0234-M7	1,279.00	KB-3T2-0234-M1	1,200.00	KB-3T2-0234-M7*	1,620.00
68-1/2	KB-3-0235-M1	852.00	KB-3-0235-M7	1,279.00	KB-3T2-0235-M1	1,200.00	KB-3T2-0235-M7	1,620.00
68-1/2	KB-3-0236-M1	852.00	KB-3-0236-M7	1,279.00	KB-3T2-0236-M1	1,200.00	KB-3T2-0236-M7	1,620.00
68-1/2	KB-3-0237-M1	852.00	KB-3-0237-M7	1,279.00	KB-3T2-0237-M1	1,200.00	KB-3T2-0237-M7	1,620.00

B Dim	2-1/2" NPT -3 TUBULAR ELEMENTS							
24-5/8	KQ-3-0180-M1	539.00	KQ-3-0180-M7	977.00	KQ-3T2-0180-M1	890.00	KQ-3T2-0180-M7	1,317.00
24-5/8	KQ-3-0181-M1	539.00	KQ-3-0181-M7	977.00	KQ-3T2-0181-M1	890.00	KQ-3T2-0181-M7	1,317.00
24-5/8	KQ-3-0182-M1	539.00	KQ-3-0182-M7	977.00	KQ-3T2-0182-M1	890.00	KQ-3T2-0182-M7	1,317.00
24-5/8	KQ-3-0183-M1	539.00	KQ-3-0183-M7	977.00	KQ-3T2-0183-M1	890.00	KQ-3T2-0183-M7	1,317.00
32-9/16	KQ-3-0184-M1	705.00	KQ-3-0184-M7	1,137.00	KQ-3T2-0184-M1	1,053.00	KQ-3T2-0184-M7	1,476.00
32-9/16	KQ-3-0185-M1	705.00	KQ-3-0185-M7	1,137.00	KQ-3T2-0185-M1	1,053.00	KQ-3T2-0185-M7	1,476.00
32-9/16	KQ-3-0186-M1	705.00	KQ-3-0186-M7	1,137.00	KQ-3T2-0186-M1	1,053.00	KQ-3T2-0186-M7	1,476.00
32-9/16	KQ-3-0187-M1	705.00	KQ-3-0187-M7	1,137.00	KQ-3T2-0187-M1	1,053.00	KQ-3T2-0187-M7	1,476.00
40	KQ-3-0188-M1	763.00	KQ-3-0188-M7	1,191.00	KQ-3T2-0188-M1	1,112.00	KQ-3T2-0188-M7	1,532.00
40	KQ-3-0189-M1	763.00	KQ-3-0189-M7	1,191.00	KQ-3T2-0189-M1	1,112.00	KQ-3T2-0189-M7	1,532.00
40	KQ-3-0190-M1	763.00	KQ-3-0190-M7	1,191.00	KQ-3T2-0190-M1	1,112.00	KQ-3T2-0190-M7	1,532.00
40	KQ-3-0191-M1	763.00	KQ-3-0191-M7	1,191.00	KQ-3T2-0191-M1	1,112.00	KQ-3T2-0191-M7	1,532.00
47-9/16	KQ-3-0192-M1	830.00	KQ-3-0192-M7	1,260.00	KQ-3T2-0192-M1	1,178.00	KQ-3T2-0192-M7	1,600.00
47-9/16	KQ-3-0193-M1	830.00	KQ-3-0193-M7	1,260.00	KQ-3T2-0193-M1	1,178.00	KQ-3T2-0193-M7	1,600.00
47-9/16	KQ-3-0194-M1	830.00	KQ-3-0194-M7	1,260.00	KQ-3T2-0194-M1	1,178.00	KQ-3T2-0194-M7	1,600.00
47-9/16	KQ-3-0195-M1	830.00	KQ-3-0195-M7	1,260.00	KQ-3T2-0195-M1	1,178.00	KQ-3T2-0195-M7	1,600.00
57	KQ-3-0196-M1	868.00	KQ-3-0196-M7	1,297.00	KQ-3T2-0196-M1	1,216.00	KQ-3T2-0196-M7	1,634.00
57	KQ-3-0197-M1	868.00	KQ-3-0197-M7	1,297.00	KQ-3T2-0197-M1	1,216.00	KQ-3T2-0197-M7	1,634.00
57	KQ-3-0198-M1	868.00	KQ-3-0198-M7	1,297.00	KQ-3T2-0198-M1	1,216.00	KQ-3T2-0198-M7	1,634.00
57	KQ-3-0199-M1	868.00	KQ-3-0199-M7	1,297.00	KQ-3T2-0199-M1	1,216.00	KQ-3T2-0199-M7	1,634.00
68	KQ-3-0200-M1	955.00	KQ-3-0200-M7	1,381.00	KQ-3T2-0200-M1	1,306.00	KQ-3T2-0200-M7	1,719.00
68	KQ-3-0201-M1	955.00	KQ-3-0201-M7	1,381.00	KQ-3T2-0201-M1	1,306.00	KQ-3T2-0201-M7	1,719.00
68	KQ-3-0202-M1	955.00	KQ-3-0202-M7	1,381.00	KQ-3T2-0202-M1	1,306.00	KQ-3T2-0202-M7	1,719.00
68	KQ-3-0203-M1	955.00	KQ-3-0203-M7	1,381.00	KQ-3T2-0203-M1	1,306.00	KQ-3T2-0203-M7	1,719.00

INCOLOY ELEMENTS, LOW WATT DENSITY, STAINLESS STEEL PIPE PLUG

B Dim	1-1/4" NPT -ONE MIGHTY-BLADE ELEMENT -15 WATTS/SQ.IN.						*requires use of external contactor	
13	HJ-1-0099-M1	376.00	HJ-1-0099-M7	890.00	HJ-1T1-0099-M1*	493.00	HJ-1T1-0099-M7*	923.00
15-1/2	HJ-1-0100-M1	385.00	HJ-1-0100-M7	816.00	HJ-1T1-0100-M1*	499.00	HJ-1T1-0100-M7*	930.00
18	HJ-1-0102-M1	460.00	HJ-1-0102-M7	878.00	HJ-1T1-0102-M1*	580.00	HJ-1T1-0102-M7*	993.00
22-1/2	HJ-1-0103-M1	552.00	HJ-1-0103-M7	965.00	HJ-1T1-0103-M1*	668.00	HJ-1T1-0103-M7*	1,081.00
22-1/2	HJ-1-0104-M1	552.00	HJ-1-0104-M7	965.00	HJ-1T1-0104-M1*	668.00	HJ-1T1-0104-M7*	1,081.00
27-1/2	HJ-1-0105-M1	651.00	HJ-1-0105-M7	1,066.00	HJ-1T1-0105-M1*	771.00	HJ-1T1-0105-M7*	1,180.00
27-1/2	HJ-1-0106-M1	651.00	HJ-1-0106-M7	1,066.00	HJ-1T1-0106-M1*	771.00	HJ-1T1-0106-M7*	1,080.00
32-1/2	HJ-1-0107-M1	759.00	HJ-1-0107-M7	1,167.00	HJ-1T1-0107-M1*	874.00	HJ-1T1-0107-M7*	1,280.00
32-1/2	HJ-1-0108-M1	759.00	HJ-1-0108-M7	1,167.00	HJ-1T1-0108-M1*	874.00	HJ-1T1-0108-M7*	1,280.00
42	HJ-1-0109-M1	946.00	HJ-1-0109-M7	1,352.00	HJ-1T1-0109-M1*	1,066.00	HJ-1T1-0109-M7*	1,467.00
42	HJ-1-0110-M1	946.00	HJ-1-0110-M7	1,352.00	HJ-1T1-0110-M1*	1,066.00	HJ-1T1-0110-M7*	1,467.00
51-1/2	HJ-1-0111-M1	1,140.00	HJ-1-0111-M7	1,537.00	HJ-1T1-0111-M1*	1,258.00	HJ-1T1-0111-M7*	1,654.00
51-1/2	HJ-1-0112-M1	1,140.00	HJ-1-0112-M7	1,537.00	HJ-1T1-0112-M1*	1,258.00	HJ-1T1-0112-M7*	1,654.00

B Dim	1-1/4" NPT -ONE MIGHTY-BLADE ELEMENT -6 WATTS/SQ.IN.						*requires use of external contactor	
16-1/8	HJ-1-0087-M1	416.00	HJ-1-0087-M7	847.00	HJ-1T1-0087-M1*	528.00	HJ-1T1-0087-M7*	961.00
19-1/8	HJ-1-0088-M1	491.00	HJ-1-0088-M7	907.00	HJ-1T1-0088-M1*	609.00	HJ-1T1-0088-M7*	1,022.00
24-3/4	HJ-1-0089-M1	596.00	HJ-1-0089-M7	1,008.00	HJ-1T1-0089-M1*	714.00	HJ-1T1-0089-M7*	1,124.00
24-3/4	HJ-1-0090-M1	596.00	HJ-1-0090-M7	1,008.00	HJ-1T1-0090-M1*	714.00	HJ-1T1-0090-M7*	1,124.00
29-5/8	HJ-1-0091-M1	702.00	HJ-1-0091-M7	1,112.00	HJ-1T1-0091-M1*	820.00	HJ-1T1-0091-M7*	1,227.00
29-5/8	HJ-1-0092-M1	702.00	HJ-1-0092-M7	1,112.00	HJ-1T1-0092-M1*	820.00	HJ-1T1-0092-M7*	1,227.00
34-5/8	HJ-1-0093-M1	805.00	HJ-1-0093-M7	1,214.00	HJ-1T1-0093-M1*	923.00	HJ-1T1-0093-M7*	1,326.00
34-5/8	HJ-1-0094-M1	805.00	HJ-1-0094-M7	1,214.00	HJ-1T1-0094-M1*	923.00	HJ-1T1-0094-M7*	1,326.00
45-5/8	HJ-1-0095-M1	1,014.00	HJ-1-0095-M7	1,419.00	HJ-1T1-0095-M1*	1,137.00	HJ-1T1-0095-M7*	1,532.00
45-5/8	HJ-1-0096-M1	1,014.00	HJ-1-0096-M7	1,419.00	HJ-1T1-0096-M1*	1,137.00	HJ-1T1-0096-M7*	1,532.00
55-5/8	HJ-1-0097-M1	1,228.00	HJ-1-0097-M7	1,626.00	HJ-1T1-0097-M1*	1,351.00	HJ-1T1-0097-M7*	1,741.00
55-5/8	HJ-1-0098-M1	1,228.00	HJ-1-0098-M7	1,626.00	HJ-1T1-0098-M1*	1,351.00	HJ-1T1-0098-M7*	1,741.00

B Dim	2" NPT -2 TUBULAR ELEMENTS							
25	KW-2-0353-M1	751.00	KW-2-0353-M7	1,172.00	KW-2T2-0353-M1	1,090.00	KW-2T2-0353-M7	1,505.00
25	KW-2-0354-M1	751.00	KW-2-0354-M7	1,172.00	KW-2T2-0354-M1	1,090.00	KW-2T2-0354-M7	1,505.00
33	KW-2-0355-M1	833.00	KW-2-0355-M7	1,253.00	KW-2T2-0355-M1	1,172.00	KW-2T2-0355-M7	1,581.00
33	KW-2-0356-M1	833.00	KW-2-0356-M7	1,253.00	KW-2T2-0356-M1	1,172.00	KW-2T2-0356-M7	1,581.00
40-1/2	KW-2-0357-M1	963.00	KW-2-0357-M7	1,381.00	KW-2T2-0357-M1	1,304.00	KW-2T2-0357-M7	1,709.00
40-1/2	KW-2-0358-M1	963.00	KW-2-0358-M7	1,381.00	KW-2T2-0358-M1	1,304.00	KW-2T2-0358-M7	1,709.00
48	KW-2-0359-M1	1,011.00	KW-2-0359-M7	1,428.00	KW-2T2-0359-M1	1,352.00	KW-2T2-0359-M7	1,756.00
48	KW-2-0360-M1	1,011.00	KW-2-0360-M7	1,428.00	KW-2T2-0360-M1	1,352.00	KW-2T2-0360-M7	1,756.00
57-1/2	KW-2-0361-M1	1,092.00	KW-2-0361-M7	1,508.00	KW-2T2-0361-M1	1,431.00	KW-2T2-0361-M7	1,837.00
57-1/2	KW-2-0362-M1	1,092.00	KW-2-0362-M7	1,508.00	KW-2T2-0362-M1	1,431.00	KW-2T2-0362-M7	1,837.00
68-1/2	KW-2-0363-M1	1,185.00	KW-2-0363-M7	1,596.00	KW-2T2-0363-M1	1,542.00	KW-2T2-0363-M7	1,924.00
68-1/2	KW-2-0364-M1	1,185.00	KW-2-0364-M7	1,596.00	KW-2T2-0364-M1	1,542.00	KW-2T2-0364-M7	1,924.00

B Dim	2" NPT -3 TUBULAR ELEMENTS						*requires use of external contactor	
25	KW-3-0473-M1	852.00	KW-3-0473-M7	1,272.00	KW-3T2-0473-M1	1,193.00	KW-3T2-0473-M7	1,601.00
25	KW-3-0474-M1	852.00	KW-3-0474-M7	1,272.00	KW-3T2-0474-M1	1,193.00	KW-3T2-0474-M7	1,601.00
25	KW-3-0475-M1	852.00	KW-3-0475-M7	1,272.00	KW-3T2-0475-M1	1,193.00	KW-3T2-0475-M7	1,601.00
25	KW-3-0476-M1	852.00	KW-3-0476-M7	1,272.00	KW-3T2-0476-M1	1,193.00	KW-3T2-0476-M7	1,601.00
33	KW-3-0477-M1	969.00	KW-3-0477-M7	1,383.00	KW-3T2-0477-M1	1,307.00	KW-3T2-0477-M7	1,711.00
33	KW-3-0478-M1	969.00	KW-3-0478-M7	1,383.00	KW-3T2-0478-M1	1,307.00	KW-3T2-0478-M7	1,711.00
33	KW-3-0479-M1	969.00	KW-3-0479-M7	1,383.00	KW-3T2-0479-M1	1,307.00	KW-3T2-0479-M7	1,711.00
33	KW-3-0480-M1	969.00	KW-3-0480-M7	1,383.00	KW-3T2-0480-M1	1,307.00	KW-3T2-0480-M7	1,711.00
40-1/2	KW-3-0481-M1	1,129.00	KW-3-0481-M7	1,540.00	KW-3T2-0481-M1	1,465.00	KW-3T2-0481-M7	1,870.00
40-1/2	KW-3-0482-M1	1,129.00	KW-3-0482-M7	1,540.00	KW-3T2-0482-M1	1,465.00	KW-3T2-0482-M7	1,870.00
40-1/2	KW-3-0483-M1	1,129.00	KW-3-0483-M7	1,540.00	KW-3T2-0483-M1	1,465.00	KW-3T2-0483-M7	1,870.00
40-1/2	KW-3-0484-M1	1,129.00	KW-3-0484-M7	1,540.00	KW-3T2-0484-M1	1,465.00	KW-3T2-0484-M7	1,870.00
48	KW-3-0485-M1	1,207.00	KW-3-0485-M7	1,619.00	KW-3T2-0485-M1	1,547.00	KW-3T2-0485-M7	1,948.00
48	KW-3-0486-M1	1,207.00	KW-3-0486-M7	1,619.00	KW-3T2-0486-M1	1,547.00	KW-3T2-0486-M7	1,948.00
48	KW-3-0487-M1	1,207.00	KW-3-0487-M7	1,619.00	KW-3T2-0487-M1	1,547.00	KW-3T2-0487-M7	1,948.00
48	KW-3-0488-M1	1,207.00	KW-3-0488-M7	1,619.00	KW-3T2-0488-M1	1,547.00	KW-3T2-0488-M7	1,948.00
57-1/2	KW-3-0489-M1	1,329.00	KW-3-0489-M7	1,738.00	KW-3T2-0489-M1*	1,669.00	KW-3T2-0489-M7*	2,065.00
57-1/2	KW-3-0490-M1	1,329.00	KW-3-0490-M7	1,738.00	KW-3T2-0490-M1	1,669.00	KW-3T2-0490-M7	2,065.00
57-1/2	KW-3-0491-M1	1,329.00	KW-3-0491-M7	1,738.00	KW-3T2-0491-M1	1,669.00	KW-3T2-0491-M7	2,065.00
57-1/2	KW-3-0492-M1	1,329.00	KW-3-0492-M7	1,738.00	KW-3T2-0492-M1	1,669.00	KW-3T2-0492-M7	2,065.00
68-1/2	KW-3-0493-M1	1,459.00	KW-3-0493-M7	1,864.00	KW-3T2-0493-M1*	1,799.00	KW-3T2-0493-M7*	2,191.00
68-1/2	KW-3-0494-M1	1,459.00	KW-3-0494-M7	1,864.00	KW-3T2-0494-M1	1,799.00	KW-3T2-0494-M7	2,191.00
68-1/2	KW-3-0495-M1	1,459.00	KW-3-0495-M7	1,864.00	KW-3T2-0495-M1	1,799.00	KW-3T2-0495-M7	2,191.00
68-1/2	KW-3-0496-M1	1,459.00	KW-3-0496-M7	1,864.00	KW-3T2-0496-M1	1,799.00	KW-3T2-0496-M7	2,191.00

B Dim	2-1/2" NPT -3 MIGHTY-BLADE ELEMENT-15 WATTS/SQ.IN.					*requires use of external contactor		
12	HS-3-0386-M1	732.00	HS-3-0386-M7	1,178.00	HS-3T2-0386-M1*	867.00	HS-3T2-0386-M7*	1,311.00
14-1/2	HS-3-0387-M1	888.00	HS-3-0387-M7	1,329.00	HS-3T2-0387-M1*	1,019.00	HS-3T2-0387-M7*	1,464.00
17	HS-3-0388-M1	978.00	HS-3-0388-M7	1,422.00	HS-3T2-0388-M1*	1,112.00	HS-3T2-0388-M7*	1,560.00
21-1/2	HS-3-0389-M1	1,187.00	HS-3-0389-M7	1,596.00	HS-3T2-0389-M1*	1,324.00	HS-3T2-0389-M7*	1,731.00
21-1/2	HS-3-0390-M1	1,187.00	HS-3-0390-M7	1,596.00	HS-3T2-0390-M1*	1,324.00	HS-3T2-0390-M7*	1,731.00
26-1/2	HS-3-0391-M1	1,390.00	HS-3-0391-M7	1,794.00	HS-3T2-0391-M1*	1,528.00	HS-3T2-0391-M7*	1,927.00
26-1/2	HS-3-0392-M1	1,390.00	HS-3-0392-M7	1,794.00	HS-3T2-0392-M1*	1,528.00	HS-3T2-0392-M7*	1,927.00
31-1/2	HS-3-0394-M1	1,596.00	HS-3-0394-M7	1,994.00	HS-3T2-0394-M1*	1,734.00	HS-3T2-0394-M7*	2,127.00
31-1/2	HS-3-0395-M1	1,596.00	HS-3-0395-M7	1,994.00	HS-3T2-0395-M1*	1,734.00	HS-3T2-0395-M7*	2,127.00
41	HS-3-0396-M1	1,979.00	HS-3-0396-M7	2,364.00	HS-3T2-0396-M1*	2,119.00	HS-3T2-0396-M7*	2,498.00
41	HS-3-0397-M1	1,979.00	HS-3-0397-M7	2,364.00	HS-3T2-0397-M1*	2,119.00	HS-3T2-0397-M7*	2,498.00
50-1/2	HS-3-0398-M1	2,361.00	HS-3-0398-M7	2,738.00	HS-3T2-0398-M1*	2,499.00	HS-3T2-0398-M7*	2,873.00
50-1/2	HS-3-0399-M1	2,361.00	HS-3-0399-M7	2,738.00	HS-3T2-0399-M1*	2,499.00	HS-3T2-0399-M7*	2,873.00

B Dim	2-1/2" NPT -3 TUBULAR ELEMENTS							
24-5/8	KS-3-0270-M1	1,037.00	KS-3-0270-M7	1,458.00	KS-3T2-0270-M1	1,386.00	KS-3T2-0270-M7	1,799.00
24-5/8	KS-3-0271-M1	1,037.00	KS-3-0271-M7	1,458.00	KS-3T2-0271-M1	1,386.00	KS-3T2-0271-M7	1,799.00
24-5/8	KS-3-0272-M1	1,037.00	KS-3-0272-M7	1,458.00	KS-3T2-0272-M1	1,386.00	KS-3T2-0272-M7	1,799.00
24-5/8	KS-3-0273-M1	1,037.00	KS-3-0273-M7	1,458.00	KS-3T2-0273-M1	1,386.00	KS-3T2-0273-M7	1,799.00
32-9/16	KS-3-0274-M1	1,215.00	KS-3-0274-M7	1,633.00	KS-3T2-0274-M1	1,564.00	KS-3T2-0274-M7	1,973.00
32-9/16	KS-3-0275-M1	1,215.00	KS-3-0275-M7	1,633.00	KS-3T2-0275-M1	1,564.00	KS-3T2-0275-M7	1,973.00
32-9/16	KS-3-0276-M1	1,215.00	KS-3-0276-M7	1,633.00	KS-3T2-0276-M1	1,564.00	KS-3T2-0276-M7	1,973.00
32-9/16	KS-3-0277-M1	1,215.00	KS-3-0277-M7	1,633.00	KS-3T2-0277-M1	1,564.00	KS-3T2-0277-M7	1,973.00
40	KS-3-0278-M1	1,307.00	KS-3-0278-M7	1,722.00	KS-3T2-0278-M1	1,656.00	KS-3T2-0278-M7	2,062.00
40	KS-3-0279-M1	1,307.00	KS-3-0279-M7	1,722.00	KS-3T2-0279-M1	1,656.00	KS-3T2-0279-M7	2,062.00
40	KS-3-0280-M1	1,307.00	KS-3-0280-M7	1,722.00	KS-3T2-0280-M1	1,656.00	KS-3T2-0280-M7	2,062.00
40	KS-3-0281-M1	1,307.00	KS-3-0281-M7	1,722.00	KS-3T2-0281-M1	1,656.00	KS-3T2-0281-M7	2,062.00

B Dim	2-1/2" NPT -3 TUBULAR ELEMENTS							
47-9/16	KS-3-0282-M1	1,392.00	KS-3-0282-M7	1,805.00	KS-3T2-0282-M1	1,742.00	KS-3T2-0282-M7	2,146.00
47-9/16	KS-3-0283-M1	1,392.00	KS-3-0283-M7	1,805.00	KS-3T2-0283-M1	1,742.00	KS-3T2-0283-M7	2,146.00
47-9/16	KS-3-0284-M1	1,392.00	KS-3-0284-M7	1,805.00	KS-3T2-0284-M1	1,742.00	KS-3T2-0284-M7	2,146.00
47-9/16	KS-3-0285-M1	1,392.00	KS-3-0285-M7	1,805.00	KS-3T2-0285-M1	1,742.00	KS-3T2-0285-M7	2,146.00
57	KS-3-0286-M1	1,943.00	KS-3-0286-M7	1,904.00	KS-3T2-0286-M1	1,844.00	KS-3T2-0286-M7	2,244.00
57	KS-3-0287-M1	1,943.00	KS-3-0287-M7	1,904.00	KS-3T2-0287-M1	1,844.00	KS-3T2-0287-M7	2,244.00
57	KS-3-0288-M1	1,943.00	KS-3-0288-M7	1,904.00	KS-3T2-0288-M1	1,844.00	KS-3T2-0288-M7	2,244.00
57	KS-3-0289-M1	1,943.00	KS-3-0289-M7	1,904.00	KS-3T2-0289-M1	1,844.00	KS-3T2-0289-M7	2,244.00
68	KS-3-0290-M1	1,654.00	KS-3-0290-M7	2,059.00	KS-3T2-0290-M1	2,005.00	KS-3T2-0290-M7	2,397.00
68	KS-3-0291-M1	1,654.00	KS-3-0291-M7	2,059.00	KS-3T2-0291-M1	2,005.00	KS-3T2-0291-M7	2,397.00
68	KS-3-0292-M1	1,654.00	KS-3-0292-M7	2,059.00	KS-3T2-0292-M1	2,005.00	KS-3T2-0292-M7	2,397.00
68	KS-3-0293-M1	1,654.00	KS-3-0293-M7	2,059.00	KS-3T2-0293-M1	2,005.00	KS-3T2-0293-M7	2,397.00

B Dim	2-1/2" NPT -3 MIGHTY-BLADE ELEMENT - 6 WATTS/SQ.IN.						*requires use of external contactor	
15-1/8	HS-3-0373-M1	921.00	HS-3-0373-M7	1,366.00	HS-3T2-0373-M1*	1,055.00	HS-3T2-0373-M7*	1,501.00
18-1/8	HS-3-0374-M1	1,075.00	HS-3-0374-M7	1,485.00	HS-3T2-0374-M1*	1,213.00	HS-3T2-0374-M7*	1,621.00
23-1/8	HS-3-0375-M1	1,275.00	HS-3-0375-M7	1,385.00	HS-3T2-0375-M1*	1,416.00	HS-3T2-0375-M7*	1,850.00
23-1/8	HS-3-0376-M1	1,275.00	HS-3-0376-M7	1,685.00	HS-3T2-0376-M1*	1,416.00	HS-3T2-0376-M7*	1,850.00
28-5/8	HS-3-0377-M1	1,501.00	HS-3-0377-M7	1,901.00	HS-3T2-0377-M1*	1,640.00	HS-3T2-0377-M7*	2,035.00
28-5/8	HS-3-0378-M1	1,501.00	HS-3-0378-M7	1,901.00	HS-3T2-0378-M1*	1,640.00	HS-3T2-0378-M7*	2,035.00
33-5/8	HS-3-0379-M1	1,705.00	HS-3-0379-M7	2,100.00	HS-3T2-0379-M1*	1,843.00	HS-3T2-0379-M7*	2,235.00
33-5/8	HS-3-0380-M1	1,705.00	HS-3-0380-M7	2,100.00	HS-3T2-0380-M1*	1,843.00	HS-3T2-0380-M7*	2,235.00
44-1/8	HS-3-0381-M1	2,128.00	HS-3-0381-M7	2,513.00	HS-3T2-0381-M1*	2,269.00	HS-3T2-0381-M7*	2,647.00
44-1/8	HS-3-0382-M1	2,128.00	HS-3-0382-M7	2,513.00	HS-3T2-0382-M1*	2,269.00	HS-3T2-0382-M7*	2,647.00
54-5/8	HS-3-0383-M1	2,552.00	HS-3-0383-M7	2,924.00	HS-3T2-0383-M1*	2,692.00	HS-3T2-0383-M7*	3,060.00
54-5/8	HS-3-0384-M1	2,552.00	HS-3-0384-M7	2,924.00	HS-3T2-0384-M1*	2,692.00	HS-3T2-0384-M7*	3,060.00

MISCELLANEOUS PIPE PLUG IMMERSION HEATERS

B Dim	1-1/4" NPT -1 or 2 COPPER TUBULAR ELEMENT(S) -HIGH WATT DENSITY							
6-1/4	KI-1-0113-M0	141.00	KI-1-0113-M7	573.00	KI-1T1-0113-M1	255.00	KI-1T1-0113-M7	690.00
6-1/4	KI-1-0110-M0	141.00	KI-1-0110-M7	573.00	KI-1T1-0110-M1	255.00	KI-1T1-0110-M7	690.00
7-1/4	KI-2-0111-M0	202.00	KI-2-0111-M7	624.00	KI-2T1-0111-M1	316.00	KI-2T1-0111-M7	751.00
9-1/4	KI-2-0112-M0	214.00	KI-2-0112-M7	647.00	KI-2T1-0112-M1	330.00	KI-2T1-0112-M7	764.00

B Dim	2" NPT - 3 COPPER TUBULAR ELEMENTS -HIGH WATT DENSITY							
10	KV-3-0234-M0	323.00	KV-3-0234-M7	772.00	KV-3T1-0234-M1	458.00	KV-3T1-0234-M7	905.00
11	KV-3-0235-M0	338.00	KV-3-0235-M7	782.00	KV-3T1-0235-M1	469.00	KV-3T1-0235-M7	918.00
11	KV-3-0236-M0	338.00	KV-3-0236-M7	782.00	KV-3T1-0236-M1	469.00	KV-3T1-0236-M7	918.00
16	KV-3-0237-M0	381.00	KV-3-0237-M7	828.00	KV-3T1-0237-M1	514.00	KV-3T1-0237-M7	959.00
16	KV-3-0238-M0	381.00	KV-3-0238-M7	828.00	KV-3T1-0238-M1	514.00	KV-3T1-0238-M7	959.00
22	KV-3-0239-M0	449.00	KV-3-0239-M7	879.00	KV-3T1-0239-M1	567.00	KV-3T1-0239-M7	1,013.00
22	KV-3-0240-M0	449.00	KV-3-0240-M7	879.00	KV-3T1-0240-M1	567.00	KV-3T1-0240-M7	1,013.00

B Dim	1-1/4" NPT - 1 STEEL TUBULAR ELEMENT - MEDIUM WATT DENSITY							
12-3/4	KH-2-0103-M0	223.00	KH-2-0103-M7	657.00	KH-2T1-0103-M1	338.00	KH-2T1-0103-M7	772.00
18-1/2	KH-2-0104-M0	245.00	KH-2-0104-M7	670.00	KH-2T1-0104-M1	361.00	KH-2T1-0104-M7	783.00

B Dim	2" NPT -3 STEEL TUBULAR ELEMENTS -MEDIUM WATT DENSITY							
18	KB-3-0324-M0	372.00	KB-3-0324-M7	809.00	KB-3T1-0324-M1	511.00	KB-3T1-0324-M7	944.00
18	KB-3-0325-M0	372.00	KB-3-0325-M7	809.00	KB-3T1-0325-M1	511.00	KB-3T1-0325-M7	944.00
29	KB-3-0326-M0	464.00	KB-3-0326-M7	900.00	KB-3T1-0326-M1	600.00	KB-3T1-0326-M7	1,030.00
29	KB-3-0327-M0	464.00	KB-3-0327-M7	900.00	KB-3T1-0327-M1	600.00	KB-3T1-0327-M7	1,030.00
29	KB-3-0328-M0	464.00	KB-3-0328-M7	900.00	KB-3T1-0328-M1	600.00	KB-3T1-0328-M7	1,030.00
29	KB-3-0329-M0	464.00	KB-3-0329-M7	900.00	KB-3T1-0329-M1	600.00	KB-3T1-0329-M7	1,030.00
43-1/2	KB-3-0330-M0	647.00	KB-3-0330-M7	1,076.00	KB-3T1-0330-M1	785.00	KB-3T1-0330-M7	1,211.00
43-1/2	KB-3-0331-M0	647.00	KB-3-0331-M7	1,076.00	KB-3T1-0331-M1	785.00	KB-3T1-0331-M7	1,211.00
43-1/2	KB-3-0332-M0	647.00	KB-3-0332-M7	1,076.00	KB-3T1-0332-M1	785.00	KB-3T1-0332-M7	1,211.00
43-1/2	KB-3-0333-M0	647.00	KB-3-0333-M7	1,076.00	KB-3T1-0333-M1	785.00	KB-3T1-0333-M7	1,211.00
57-1/2	KB-3-0334-M0	732.00	KB-3-0334-M7	1,159.00	KB-3T1-0334-M1	869.00	KB-3T1-0334-M7	1,293.00
57-1/2	KB-3-0335-M0	732.00	KB-3-0335-M7	1,159.00	KB-3T1-0335-M1	869.00	KB-3T1-0335-M7	1,293.00
57-1/2	KB-3-0336-M0	732.00	KB-3-0336-M7	1,159.00	KB-3T1-0336-M1	869.00	KB-3T1-0336-M7	1,293.00
57-1/2	KB-3-0337-M0	732.00	KB-3-0337-M7	1,159.00	KB-3T1-0337-M1	869.00	KB-3T1-0337-M7	1,293.00

B Dim	1-1/4" NPT -1 or 2 INCOLOY TUBULAR ELEMENTS -HIGH WATT DENSITY							
11	KI-1-0100-M0	165.00	KI-1-0100-M7	598.00	KI-1T1-0100-M1	281.00	KI-1T1-0100-M7	714.00
15-1/2	KI-2-0101-M0	252.00	KI-2-0101-M7	688.00	KI-2T1-0101-M1	366.00	KI-2T1-0101-M7	802.00

2" NPT -3 INCOLOY TUBULAR ELEMENTS - MEDIUM TO HIGH WATT DENSITY								
B Dim								
13	KV-3-0212-M0	367.00	KV-3-0212-M7	811.00	KV-3T1-0212-M1	501.00	KV-3T1-0212-M7	949.00
13	KV-3-0213-M0	367.00	KV-3-0213-M7	811.00	KV-3T1-0213-M1	501.00	KV-3T1-0213-M7	949.00
20	KV-3-0214-M0	458.00	KV-3-0214-M7	894.00	KV-3T1-0214-M1	598.00	KV-3T1-0214-M7	1,027.00
20	KV-3-0215-M0	458.00	KV-3-0215-M7	894.00	KV-3T1-0215-M1	598.00	KV-3T1-0215-M7	1,027.00
25	KV-3-0216-M0	525.00	KV-3-0216-M7	957.00	KV-3T1-0216-M1	663.00	KV-3T1-0216-M7	1,091.00
25	KV-3-0217-M0	525.00	KV-3-0217-M7	957.00	KV-3T1-0217-M1	663.00	KV-3T1-0217-M7	1,091.00

2" NPT - 3 INCOLOY TUBULAR ELEMENTS -HIGH WATT DENSITY								
B Dim								
22	KW-3-0703-M0	521.00	KW-3-0703-M7	955.00	KW-3T1-0703-M1	641.00	KW-3T1-0703-M7	1,069.00
22	KW-3-0704-M0	521.00	KW-3-0704-M7	955.00	KW-3T1-0704-M1	641.00	KW-3T1-0704-M7	1,069.00
22	KW-3-0705-M0	521.00	KW-3-0705-M7	955.00	KW-3T1-0705-M1	641.00	KW-3T1-0705-M7	1,069.00
22	KW-3-0706-M0	521.00	KW-3-0706-M7	955.00	KW-3T1-0706-M1	641.00	KW-3T1-0706-M7	1,069.00
43	KW-3-0707-M0	686.00	KW-3-0707-M7	1,111.00	KW-3T1-0707-M1	803.00	KW-3T1-0707-M7	1,226.00
43	KW-3-0708-M0	686.00	KW-3-0708-M7	1,111.00	KW-3T1-0708-M1	803.00	KW-3T1-0708-M7	1,226.00
23	KW-3-0131-M0	528.00	KW-3-0131-M7	959.00	KW-3T1-0131-M1	647.00	KW-3T1-0131-M7	1,076.00
31	KW-3-0137-M0	586.00	KW-3-0137-M7	1,014.00	KW-3T1-0137-M1	705.00	KW-3T1-0137-M7	1,131.00
34-1/2	KW-3-0140-M0	597.00	KW-3-0140-M7	1,024.00	KW-3T1-0140-M1	714.00	KW-3T1-0140-M7	1,139.00
38-1/2	KW-3-0143-M0	623.00	KW-3-0143-M7	1,048.00	KW-3T1-0143-M1	739.00	KW-3T1-0143-M7	1,165.00

PIPE PLUG IMMERSION HEATER OPTIONS

TYPE T1 SINGLE POLE THERMOSTAT

NEMA1 ENCLOSURE (M1)

1" & 1-1/4" PLUG\$121.00
 2" & 2-1/2" PLUG\$132.00

TYPE T2 DOUBLE POLE THERMOSTAT

NEMA1 ENCLOSURE (M1)

2" & 2-1/2" PLUG\$327.00
 TYPE T2R OVER-TEMPERATURE CUT-OUT\$370.00
 SCREWDRIVER ADJUSTMENT ON T'STAT\$62.25
 STOP ON T'STAT\$16.15

REPLACEMENT THERMOSTATS

TYPE T1 SINGLE POLE\$111.00
 TYPE T2 DOUBLE POLE\$260.00
 THERMOCOUPLE ATTACHED TO SHEATH\$186.00

HOUSINGS

NEMA 4X PLASTIC\$146.00
 MOISTURE RESISTANT (M5)\$253.00
 NEMA 4X STN. STL\$291.00

PASSIVATION ADD 20%

Or \$125.00 whichever is lower.
 For 316 SS Elements add 20%

FLANGED IMMERSION HEATERS

COPPER ELEMENTS, 45 WATTS/SQ. IN. CLEAN WATER HEATING

B Dim	3" FLANGE, 3 ELEMENTS			
18-1/16	K3C-3-0001-M1	1,362.00	K3C-3-0001-M7	1,566.00
18-1/16	K3C-3-0002-M1	1,362.00	K3C-3-0002-M7	1,566.00
18-1/16	K3C-3-0003-M1	1,362.00	K3C-3-0003-M7	1,566.00
18-1/16	K3C-3-0004-M1	1,362.00	K3C-3-0004-M7	1,566.00
23-3/16	K3C-3-0005-M1	1,458.00	K3C-3-0005-M7	1,662.00
23-3/16	K3C-3-0006-M1	1,458.00	K3C-3-0006-M7	1,662.00
23-3/16	K3C-3-0007-M1	1,458.00	K3C-3-0007-M7	1,662.00
23-3/16	K3C-3-0008-M1	1,458.00	K3C-3-0008-M7	1,662.00
33-1/16	K3C-3-0009-M1	1,569.00	K3C-3-0009-M7	1,773.00
33-1/16	K3C-3-0010-M1	1,569.00	K3C-3-0010-M7	1,773.00
33-1/16	K3C-3-0011-M1	1,569.00	K3C-3-0011-M7	1,773.00
33-1/16	K3C-3-0012-M1	1,569.00	K3C-3-0012-M7	1,773.00
40-9/16	K3C-3-0013-M1	1,673.00	K3C-3-0013-M7	1,877.00
40-9/16	K3C-3-0014-M1	1,673.00	K3C-3-0014-M7	1,877.00
40-9/16	K3C-3-0015-M1	1,673.00	K3C-3-0015-M7	1,877.00
40-9/16	K3C-3-0016-M1	1,673.00	K3C-3-0016-M7	1,877.00
48-1/16	K3C-3-0017-M1	1,776.00	K3C-3-0017-M7	1,980.00
48-1/16	K3C-3-0018-M1	1,776.00	K3C-3-0018-M7	1,980.00
48-1/16	K3C-3-0019-M1	1,776.00	K3C-3-0019-M7	1,980.00
48-1/16	K3C-3-0020-M1	1,776.00	K3C-3-0020-M7	1,980.00

B Dim	4" FLANGE, 6 ELEMENTS			
13-1/2	K4C-6-0028-M1	2,052.00	K4C-6-0028-M7	2,431.00
13-1/2	K4C-6-0029-M1	2,052.00	K4C-6-0029-M7	2,431.00
13-1/2	K4C-6-0030-M1	2,052.00	K4C-6-0030-M7	2,431.00
13-1/2	K4C-6-0031-M1	2,052.00	K4C-6-0031-M7	2,431.00
18	K4C-6-0032-M1	2,162.00	K4C-6-0032-M7	2,541.00
18	K4C-6-0033-M1	2,162.00	K4C-6-0033-M7	2,541.00
18	K4C-6-0034-M1	2,162.00	K4C-6-0034-M7	2,541.00
18	K4C-6-0035-M1	2,162.00	K4C-6-0035-M7	2,541.00
20-1/2	K4C-6-0036-M1	2,256.00	K4C-6-0036-M7	2,635.00
20-1/2	K4C-6-0037-M1	2,256.00	K4C-6-0037-M7	2,635.00
20-1/2	K4C-6-0038-M1	2,256.00	K4C-6-0038-M7	2,635.00
20-1/2	K4C-6-0039-M1	2,256.00	K4C-6-0039-M7	2,635.00
25-1/2	K4C-6-0040-M1	2,367.00	K4C-6-0040-M7	2,746.00
25-1/2	K4C-6-0041-M1	2,367.00	K4C-6-0041-M7	2,746.00
25-1/2	K4C-6-0042-M1	2,367.00	K4C-6-0042-M7	2,746.00
25-1/2	K4C-6-0043-M1	2,367.00	K4C-6-0043-M7	2,746.00
33	K4C-6-0044-M1	2,576.00	K4C-6-0044-M7	2,955.00
33	K4C-6-0045-M1	2,576.00	K4C-6-0045-M7	2,955.00
40-1/2	K4C-6-0046-M1	2,781.00	K4C-6-0046-M7	3,160.00
40-1/2	K4C-6-0047-M1	2,781.00	K4C-6-0047-M7	3,160.00
48	K4C-6-0048-M1	2,990.00	K4C-6-0048-M7	3,369.00
48	K4C-6-0049-M1	2,990.00	K4C-6-0049-M7	3,369.00

B Dim	5" FLANGE, 6 ELEMENTS			
18-1/16	K5C-6-0008-M1	2,323.00	K5C-6-0008-M7	2,784.00
18-1/16	K5C-6-0009-M1	2,323.00	K5C-6-0009-M7	2,784.00
19-13/16	K5C-6-0010-M1	2,410.00	K5C-6-0010-M7	2,871.00
19-13/16	K5C-6-0011-M1	2,410.00	K5C-6-0011-M7	2,871.00
25-5/16	K5C-6-0012-M1	2,528.00	K5C-6-0012-M7	2,989.00
25-5/16	K5C-6-0013-M1	2,528.00	K5C-6-0013-M7	2,989.00
33-1/16	K5C-6-0014-M1	2,737.00	K5C-6-0014-M7	3,198.00
33-1/16	K5C-6-0015-M1	2,737.00	K5C-6-0015-M7	3,198.00
40-9/16	K5C-6-0016-M1	2,946.00	K5C-6-0016-M7	3,407.00
40-9/16	K5C-6-0017-M1	2,946.00	K5C-6-0017-M7	3,407.00
52-1/16	K5C-6-0018-M1	3,283.00	K5C-6-0018-M7	3,744.00
52-1/16	K5C-6-0019-M1	3,283.00	K5C-6-0019-M7	3,744.00
65-1/16	K5C-6-0020-M1	3,631.00	K5C-6-0020-M7	4,092.00
78-1/16	K5C-6-0021-M1	3,979.00	K5C-6-0021-M7	4,440.00

B Dim	6" FLANGE, 12 ELEMENTS					
25-1/8	K6C-12-0004-M1	4,013.00	K6C-12-0004-M4	4,695.00	K6C-12-0004-M7	4,893.00
25-1/9	K6C-12-0005-M1	4,013.00	K6C-12-0005-M4	4,695.00	K6C-12-0005-M7	4,893.00
33	K6C-12-0006-M1	4,432.00	K6C-12-0006-M4	5,114.00	K6C-12-0006-M7	5,312.00
33	K6C-12-0007-M1	4,432.00	K6C-12-0007-M4	5,114.00	K6C-12-0007-M7	5,312.00
40-1/2	K6C-12-0008-M1	4,841.00	K6C-12-0008-M4	5,523.00	K6C-12-0008-M7	5,721.00
40-1/2	K6C-12-0009-M1	4,841.00	K6C-12-0009-M4	5,523.00	K6C-12-0009-M7	5,721.00
48	K6C-12-0010-M1	5,260.00	K6C-12-0010-M4	5,942.00	K6C-12-0010-M7	6,140.00
48	K6C-12-0011-M1	5,260.00	K6C-12-0011-M4	5,942.00	K6C-12-0011-M7	6,140.00

B Dim	8" FLANGE, 18 ELEMENTS					
27-5/8	K8C-18-0001-M1	5,672.00	K8C-18-0001-M4	6,509.00	K8C-18-0001-M7	6,752.00
27-5/8	K8C-18-0002-M1	5,672.00	K8C-18-0002-M4	6,509.00	K8C-18-0002-M7	6,752.00
36-7/8	K8C-18-0003-M1	6,519.00	K8C-18-0003-M4	7,356.00	K8C-18-0003-M7	7,599.00
36-7/8	K8C-18-0004-M1	6,519.00	K8C-18-0004-M4	7,356.00	K8C-18-0004-M7	7,599.00
43-11/16	K8C-18-0005-M1	7,306.00	K8C-18-0005-M4	8,143.00	K8C-18-0005-M7	8,386.00
43-11/16	K8C-18-0006-M1	7,306.00	K8C-18-0006-M4	8,143.00	K8C-18-0006-M7	8,386.00
51-7/8	K8C-18-0007-M1	8,004.00	K8C-18-0007-M4	8,841.00	K8C-18-0007-M7	9,084.00
51-7/8	K8C-18-0008-M1	8,004.00	K8C-18-0008-M4	8,841.00	K8C-18-0008-M7	9,084.00
61-3/8	K8C-18-0010-M1	8,982.00	K8C-18-0010-M4	9,819.00	K8C-18-0010-M7	10,062.00
69-7/8	K8C-18-0012-M1	9,813.00	K8C-18-0012-M4	10,650.00	K8C-18-0012-M7	10,893.00
78-7/8	K8C-18-0014-M1	10,650.00	K8C-18-0014-M4	11,487.00	K8C-18-0014-M7	11,730.00

B Dim	10" FLANGE, 27 ELEMENTS					
32	K10C-27-0006-M1	8,829.00	K10C-27-0006-M4	9,821.00	K10C-27-0006-M7	10,109.00
43-11/16	K10C-27-0008-M1	10,343.00	K10C-27-0008-M4	11,335.00	K10C-27-0008-M7	11,623.00
51-7/8	K10C-27-0010-M1	11,391.00	K10C-27-0010-M4	12,383.00	K10C-27-0010-M7	12,671.00
61-3/8	K10C-27-0012-M1	12,588.00	K10C-27-0012-M4	13,580.00	K10C-27-0012-M7	13,868.00
69-7/8	K10C-27-0014-M1	13,632.00	K10C-27-0014-M4	14,624.00	K10C-27-0014-M7	14,912.00
78-7/8	K10C-27-0016-M1	14,955.00	K10C-27-0016-M4	15,947.00	K10C-27-0016-M7	16,235.00

B Dim	12" FLANGE, 36 ELEMENTS					
32	K12C-36-0006-M1	11,577.00	K12C-36-0006-M4	12,755.00	K12C-36-0006-M7	13,097.00
43-11/16	K12C-36-0008-M1	13,596.00	K12C-36-0008-M4	14,774.00	K12C-36-0008-M7	15,116.00
51-7/8	K12C-36-0010-M1	14,993.00	K12C-36-0010-M4	16,171.00	K12C-36-0010-M7	16,513.00
61-3/8	K12C-36-0012-M1	16,678.00	K12C-36-0012-M4	17,856.00	K12C-36-0012-M7	18,198.00
69-7/8	K12C-36-0014-M1	15,776.00	K12C-36-0014-M4	16,954.00	K12C-36-0014-M7	17,296.00
78-7/8	K12C-36-0016-M1	19,610.00	K12C-36-0016-M4	20,788.00	K12C-36-0016-M7	21,130.00

B Dim	14" FLANGE, 45 or 60 ELEMENTS					
32	K14C-45-0003-M1	14,030.00	K14C-45-0003-M4	15,332.00	K14C-45-0003-M7	15,710.00
43-11/16	K14C-45-0005-M1	16,553.00	K14C-45-0005-M4	17,855.00	K14C-45-0005-M7	18,233.00
51-7/8	K14C-45-0007-M1	18,435.00	K14C-45-0007-M4	19,737.00	K14C-45-0007-M7	20,115.00
61-3/8	K14C-45-0009-M1	23,117.00	K14C-60-0009-M4	24,419.00	K14C-60-0009-M7	24,797.00
69-7/8	K14C-60-0011-M1	24,988.00	K14C-60-0011-M4	26,290.00	K14C-60-0011-M7	26,668.00
78-7/8	K14C-60-0013-M1	27,148.00	K14C-60-0013-M4	28,450.00	K14C-60-0013-M7	28,828.00

STAINLESS STEEL ELEMENTS, 45 WATTS/SQ. IN. PROCESS WATER HEATING

B Dim	3" FLANGE, 3 ELEMENTS			
18-1/16	K3A-3-0288-M1	1,584.00	K3A-3-0288-M7	1,788.00
18-1/16	K3A-3-0289-M1	1,584.00	K3A-3-0289-M7	1,788.00
18-1/16	K3A-3-0290-M1	1,584.00	K3A-3-0290-M7	1,788.00
18-1/16	K3A-3-0291-M1	1,584.00	K3A-3-0291-M7	1,788.00
25-3/16	K3A-3-0292-M1	1,683.00	K3A-3-0292-M7	1,887.00
25-3/16	K3A-3-0293-M1	1,683.00	K3A-3-0293-M7	1,887.00
25-3/16	K3A-3-0294-M1	1,683.00	K3A-3-0294-M7	1,887.00
25-3/16	K3A-3-0295-M1	1,683.00	K3A-3-0295-M7	1,887.00
33-1/16	K3A-3-0296-M1	1,794.00	K3A-3-0296-M7	1,998.00
33-1/16	K3A-3-0297-M1	1,794.00	K3A-3-0297-M7	1,998.00
33-1/16	K3A-3-0298-M1	1,794.00	K3A-3-0298-M7	1,998.00
33-1/16	K3A-3-0299-M1	1,794.00	K3A-3-0299-M7	1,998.00
40-9/16	K3A-3-0300-M1	1,904.00	K3A-3-0300-M7	2,108.00
40-9/16	K3A-3-0301-M1	1,904.00	K3A-3-0301-M7	2,108.00
40-9/16	K3A-3-0302-M1	1,904.00	K3A-3-0302-M7	2,108.00
40-9/16	K3A-3-0303-M1	1,904.00	K3A-3-0303-M7	2,108.00
48-1/16	K3A-3-0304-M1	2,004.00	K3A-3-0304-M7	2,208.00
48-1/16	K3A-3-0305-M1	2,004.00	K3A-3-0305-M7	2,208.00
48-1/16	K3A-3-0306-M1	2,004.00	K3A-3-0306-M7	2,208.00
48-1/16	K3A-3-0307-M1	2,004.00	K3A-3-0307-M7	2,208.00

B Dim	4" FLANGE, 6 ELEMENTS			
13-1/2	K4A-6-0050-M1	2,213.00	K4A-6-0050-M7	2,592.00
13-1/2	K4A-6-0051-M1	2,213.00	K4A-6-0051-M7	2,592.00
13-1/2	K4A-6-0052-M1	2,213.00	K4A-6-0052-M7	2,592.00
13-1/2	K4A-6-0053-M1	2,213.00	K4A-6-0053-M7	2,592.00
18	K4A-6-0054-M1	2,348.00	K4A-6-0054-M7	2,727.00
18	K4A-6-0055-M1	2,348.00	K4A-6-0055-M7	2,727.00
18	K4A-6-0056-M1	2,348.00	K4A-6-0056-M7	2,727.00
18	K4A-6-0057-M1	2,348.00	K4A-6-0057-M7	2,727.00
20-1/2	K4A-6-0058-M1	2,411.00	K4A-6-0058-M7	2,790.00
20-1/2	K4A-6-0059-M1	2,411.00	K4A-6-0059-M7	2,790.00
20-1/2	K4A-6-0060-M1	2,411.00	K4A-6-0060-M7	2,790.00
20-1/2	K4A-6-0061-M1	2,411.00	K4A-6-0061-M7	2,790.00
25-1/2	K4A-6-0062-M1	2,547.00	K4A-6-0062-M7	2,926.00
25-1/2	K4A-6-0063-M1	2,547.00	K4A-6-0063-M7	2,926.00
25-1/2	K4A-6-0064-M1	2,547.00	K4A-6-0064-M7	2,926.00
25-1/2	K4A-6-0065-M1	2,547.00	K4A-6-0065-M7	2,926.00
33	K4A-6-0066-M1	2,768.00	K4A-6-0066-M7	3,147.00
33	K4A-6-0067-M1	2,768.00	K4A-6-0067-M7	3,147.00
40-1/2	K4A-6-0068-M1	2,967.00	K4A-6-0068-M7	3,346.00
40-1/2	K4A-6-0069-M1	2,967.00	K4A-6-0069-M7	3,346.00
48	K4A-6-0070-M1	3,188.00	K4A-6-0070-M7	3,567.00
48	K4A-6-0071-M1	3,188.00	K4A-6-0071-M7	3,567.00

B Dim	5" FLANGE, 6 ELEMENTS			
18-1/16	K5A-6-0258-M1	2,464.00	K5A-6-0258-M7	2,925.00
18-1/16	K5A-6-0259-M1	2,464.00	K5A-6-0259-M7	2,925.00
19-13/16	K5A-6-0260-M1	2,502.00	K5A-6-0260-M7	2,963.00
19-13/16	K5A-6-0261-M1	2,502.00	K5A-6-0261-M7	2,963.00
25-3/16	K5A-6-0262-M1	2,662.00	K5A-6-0262-M7	3,123.00
25-3/16	K5A-6-0263-M1	2,662.00	K5A-6-0263-M7	3,123.00
33-1/16	K5A-6-0264-M1	2,885.00	K5A-6-0264-M7	3,346.00
33-1/16	K5A-6-0265-M1	2,885.00	K5A-6-0265-M7	3,346.00
40-9/16	K5A-6-0266-M1	3,104.00	K5A-6-0266-M7	3,565.00
40-9/16	K5A-6-0267-M1	3,104.00	K5A-6-0267-M7	3,565.00
52-1/16	K5A-6-0268-M1	3,420.00	K5A-6-0268-M7	3,881.00
52-1/16	K5A-6-0269-M1	3,420.00	K5A-6-0269-M7	3,881.00
65-1/16	K5A-6-0270-M1	3,783.00	K5A-6-0270-M7	4,244.00
78-1/16	K5A-6-0271-M1	4,145.00	K5A-6-0271-M7	4,606.00

B Dim		6" FLANGE, 12 ELEMENTS				
25-1/8	K6A-12-0152-M1	4,161.00	K6A-12-0152-M4	4,843.00	K6A-12-0152-M7	5,041.00
25-1/8	K6A-12-0153-M1	4,161.00	K6A-12-0153-M4	4,843.00	K6A-12-0153-M7	5,041.00
33	K6A-12-0154-M1	4,603.00	K6A-12-0154-M4	5,285.00	K6A-12-0154-M7	5,483.00
33	K6A-12-0155-M1	4,603.00	K6A-12-0155-M4	5,285.00	K6A-12-0155-M7	5,483.00
40-1/2	K6A-12-0156-M1	5,001.00	K6A-12-0156-M4	5,683.00	K6A-12-0156-M7	5,881.00
40-1/2	K6A-12-0157-M1	5,001.00	K6A-12-0157-M4	5,683.00	K6A-12-0157-M7	5,881.00
48	K6A-12-0158-M1	5,443.00	K6A-12-0158-M4	6,125.00	K6A-12-0158-M7	6,323.00
48	K6A-12-0159-M1	5,443.00	K6A-12-0159-M4	6,125.00	K6A-12-0159-M7	6,323.00

B Dim		8" FLANGE, 18 ELEMENTS				
27-5/8	K8A-18-0126-M1	5,982.00	K8A-18-0126-M4	6,819.00	K8A-18-0126-M7	7,062.00
27-5/8	K8A-18-0127-M1	5,982.00	K8A-18-0127-M4	6,819.00	K8A-18-0127-M7	7,062.00
36-7/8	K8A-18-0128-M1	6,795.00	K8A-18-0128-M4	7,632.00	K8A-18-0128-M7	7,875.00
36-7/8	K8A-18-0129-M1	6,795.00	K8A-18-0129-M4	7,632.00	K8A-18-0129-M7	7,875.00
43-11/16	K8A-18-0130-M1	7,357.00	K8A-18-0130-M4	8,194.00	K8A-18-0130-M7	8,437.00
43-11/16	K8A-18-0131-M1	7,357.00	K8A-18-0131-M4	8,194.00	K8A-18-0131-M7	8,437.00
51-7/8	K8A-18-0132-M1	8,092.00	K8A-18-0132-M4	8,929.00	K8A-18-0132-M7	9,172.00
51-7/8	K8A-18-0133-M1	8,092.00	K8A-18-0133-M4	8,929.00	K8A-18-0133-M7	9,172.00
61-3/8	K8A-18-0134-M1	8,907.00	K8A-18-0135-M4	9,744.00	K8A-18-0135-M7	9,987.00
69-7/8	K8A-18-0137-M1	9,654.00	K8A-18-0137-M4	10,491.00	K8A-18-0137-M7	10,734.00
78-7/8	K8A-18-0139-M1	10,424.00	K8A-18-0139-M4	11,261.00	K8A-18-0139-M7	11,504.00

B Dim		10" FLANGE, 27 ELEMENTS				
32	K10A-27-0075-M1	9,045.00	K10A-27-0075-M4	10,037.00	K10A-27-0075-M7	10,325.00
43-11/16	K10A-27-0077-M1	10,461.00	K10A-27-0077-M4	11,453.00	K10A-27-0077-M7	11,741.00
51-7/8	K10A-27-0079-M1	11,565.00	K10A-27-0079-M4	12,557.00	K10A-27-0079-M7	12,845.00
61-3/8	K10A-27-0081-M1	12,745.00	K10A-27-0081-M4	13,737.00	K10A-27-0081-M7	14,025.00
69-7/8	K10A-27-0083-M1	13,835.00	K10A-27-0083-M4	14,827.00	K10A-27-0083-M7	15,115.00
78-7/8	K10A-27-0085-M1	15,001.00	K10A-27-0085-M4	15,993.00	K10A-27-0085-M7	16,281.00

B Dim		12" FLANGE, 36 ELEMENTS				
32	K12A-36-0059-M1	11,756.00	K12A-36-0059-M4	13,934.00	K12A-36-0059-M7	13,276.00
43-11/16	K12A-36-0061-M1	13,644.00	K12A-36-0061-M4	14,822.00	K12A-36-0061-M7	15,164.00
51-7/8	K12A-36-0063-M1	15,116.00	K12A-36-0063-M4	16,294.00	K12A-36-0063-M7	16,636.00
61-3/8	K12A-36-0065-M1	16,703.00	K12A-36-0065-M4	17,881.00	K12A-36-0065-M7	18,223.00
69-7/8	K12A-36-0067-M1	17,806.00	K12A-36-0067-M4	18,984.00	K12A-36-0067-M7	19,326.00
78-7/8	K12A-36-0069-M1	19,677.00	K12A-36-0069-M4	20,855.00	K12A-36-0069-M7	21,197.00

B Dim		14" FLANGE, 45 or 60 ELEMENTS				
32	K14A-45-0061-M1	14,331.00	K14A-45-0061-M4	15,633.00	K14A-45-0061-M7	16,011.00
43-11/16	K14A-45-0063-M1	16,691.00	K14A-45-0063-M4	17,993.00	K14A-45-0063-M7	18,371.00
51-7/8	K14A-45-0064-M1	18,552.00	K14A-45-0065-M4	19,854.00	K14A-45-0065-M7	20,232.00
61-3/8	K14A-60-0067-M1	26,032.00	K14A-60-0067-M4	27,334.00	K14A-60-0067-M7	27,712.00
69-7/8	K14A-60-0069-M1	28,385.00	K14A-60-0069-M4	29,687.00	K14A-60-0069-M7	30,065.00
78-7/8	K14A-60-0071-M1	30,857.00	K14A-60-0071-M4	32,159.00	K14A-60-0071-M7	32,537.00

INCOLOY ELEMENTS, 45 WATTS/SQ. IN. SOLUTION WATER HEATING

B Dim	3" FLANGE, 3 ELEMENTS			
18-1/16	K3I-3-0308-M1	1,619.00	K3I-3-0308-M7	1,823.00
18-1/16	K3I-3-0309-M1	1,619.00	K3I-3-0309-M7	1,823.00
18-1/16	K3I-3-0310-M1	1,619.00	K3I-3-0310-M7	1,823.00
18-1/16	K3I-3-0311-M1	1,619.00	K3I-3-0311-M7	1,823.00
25-3/16	K3I-3-0312-M1	1,732.00	K3I-3-0312-M7	1,936.00
25-3/16	K3I-3-0313-M1	1,732.00	K3I-3-0313-M7	1,936.00
25-3/16	K3I-3-0314-M1	1,732.00	K3I-3-0314-M7	1,936.00
25-3/16	K3I-3-0315-M1	1,732.00	K3I-3-0315-M7	1,936.00
33-1/16	K3I-3-0316-M1	1,859.00	K3I-3-0316-M7	2,063.00
33-1/16	K3I-3-0317-M1	1,859.00	K3I-3-0317-M7	2,063.00
33-1/16	K3I-3-0318-M1	1,859.00	K3I-3-0318-M7	2,063.00
33-1/16	K3I-3-0319-M1	1,859.00	K3I-3-0319-M7	2,063.00
40-9/16	K3I-3-0320-M1	1,984.00	K3I-3-0320-M7	2,188.00
40-9/16	K3I-3-0321-M1	1,984.00	K3I-3-0321-M7	2,188.00
40-9/16	K3I-3-0322-M1	1,984.00	K3I-3-0322-M7	2,188.00
40-9/16	K3I-3-0323-M1	1,984.00	K3I-3-0323-M7	2,188.00
48-1/16	K3I-3-0324-M1	2,098.00	K3I-3-0324-M7	2,302.00
48-1/16	K3I-3-0325-M1	2,098.00	K3I-3-0325-M7	2,302.00
48-1/16	K3I-3-0326-M1	2,098.00	K3I-3-0326-M7	2,302.00
48-1/16	K3I-3-0327-M1	2,098.00	K3A-3-0327-M7	2,302.00

B Dim	4" FLANGE, 6 ELEMENTS			
13-1/2	K4I-6-0072-M1	2,264.00	K4I-6-0072-M7	2,643.00
13-1/2	K4I-6-0073-M1	2,264.00	K4I-6-0073-M7	2,643.00
13-1/2	K4I-6-0074-M1	2,264.00	K4I-6-0074-M7	2,643.00
13-1/2	K4I-6-0075-M1	2,264.00	K4I-6-0075-M7	2,643.00
18	K4I-6-0076-M1	2,418.00	K4I-6-0076-M7	2,797.00
18	K4I-6-0077-M1	2,418.00	K4I-6-0077-M7	2,797.00
18	K4I-6-0078-M1	2,418.00	K4I-6-0078-M7	2,797.00
18	K4I-6-0079-M1	2,418.00	K4I-6-0079-M7	2,797.00
20-1/2	K4I-6-0080-M1	2,489.00	K4I-6-0080-M7	2,868.00
20-1/2	K4I-6-0081-M1	2,489.00	K4I-6-0081-M7	2,868.00
20-1/2	K4I-6-0082-M1	2,489.00	K4I-6-0082-M7	2,868.00
20-1/2	K4I-6-0083-M1	2,489.00	K4I-6-0083-M7	2,868.00
25-1/2	K4I-6-0084-M1	2,645.00	K4I-6-0084-M7	3,024.00
25-1/2	K4I-6-0085-M1	2,645.00	K4I-6-0085-M7	3,024.00
25-1/2	K4I-6-0086-M1	2,645.00	K4I-6-0086-M7	3,024.00
25-1/2	K4I-6-0087-M1	2,645.00	K4I-6-0087-M7	3,024.00
33	K4I-6-0088-M1	2,897.00	K4I-6-0088-M7	3,276.00
33	K4I-6-0089-M1	2,897.00	K4I-6-0089-M7	3,276.00
40-1/2	K4I-6-0090-M1	3,124.00	K4I-6-0090-M7	3,503.00
40-1/2	K4I-6-0091-M1	3,124.00	K4I-6-0091-M7	3,503.00
48	K4I-6-0092-M1	3,376.00	K4I-6-0092-M7	3,755.00
48	K4I-6-0093-M1	3,376.00	K4I-6-0093-M7	3,755.00

B Dim	5" FLANGE, 6 ELEMENTS			
18-1/16	K5I-6-0273-M1	2,535.00	K5I-6-0273-M7	2,996.00
18-1/16	K5I-6-0274-M1	2,535.00	K5I-6-0274-M7	2,996.00
19-13/16	K5I-6-0275-M1	2,576.00	K5I-6-0275-M7	3,037.00
19-13/16	K5I-6-0276-M1	2,576.00	K5I-6-0276-M7	3,037.00
25-3/16	K5I-6-0277-M1	2,760.00	K5I-6-0277-M7	3,221.00
25-3/16	K5I-6-0278-M1	2,760.00	K5I-6-0278-M7	3,221.00
33-1/16	K5I-6-0279-M1	3,014.00	K5I-6-0279-M7	3,475.00
33-1/16	K5I-6-0280-M1	3,014.00	K5I-6-0280-M7	3,475.00
40-9/16	K5I-6-0281-M1	3,264.00	K5I-6-0281-M7	3,725.00
40-9/16	K5I-6-0282-M1	3,264.00	K5I-6-0282-M7	3,725.00
52-1/16	K5I-6-0283-M1	3,623.00	K5I-6-0283-M7	4,084.00
52-1/16	K5I-6-0284-M1	3,623.00	K5I-6-0284-M7	4,084.00
65-1/16	K5I-6-0285-M1	4,037.00	K5I-6-0285-M7	4,498.00
78-1/16	K5I-6-0286-M1	4,450.00	K5I-6-0286-M7	4,911.00

B Dim	6" FLANGE, 12 ELEMENTS					
25-1/8	K6I-12-0160-M1	4,356.00	K6I-12-0160-M4	5,038.00	K6I-12-0160-M7	5,236.00
25-1/8	K6I-12-0161-M1	4,356.00	K6I-12-0161-M4	5,038.00	K6I-12-0161-M7	5,236.00
33	K6I-12-0162-M1	4,860.00	K6I-12-0162-M4	5,542.00	K6I-12-0162-M7	5,740.00
33	K6I-12-0163-M1	4,860.00	K6I-12-0163-M4	5,542.00	K6I-12-0163-M7	5,740.00
40-1/2	K6I-12-0164-M1	5,314.00	K6I-12-0164-M4	5,996.00	K6I-12-0164-M7	6,194.00
40-1/2	K6I-12-0165-M1	5,314.00	K6I-12-0165-M4	5,996.00	K6I-12-0165-M7	6,194.00
48	K6I-12-0166-M1	5,818.00	K6I-12-0166-M4	6,500.00	K6I-12-0166-M7	6,698.00
48	K6I-12-0167-M1	5,818.00	K6I-12-0167-M4	6,500.00	K6I-12-0167-M7	6,698.00

B Dim	8" FLANGE, 18 ELEMENTS					
27-5/8	K8I-18-0140-M1	6,302.00	K8I-18-0140-M4	7,139.00	K8I-18-0140-M7	7,382.00
27-5/8	K8I-18-0141-M1	6,302.00	K8I-18-0141-M4	7,139.00	K8I-18-0141-M7	7,382.00
36-7/8	K8I-18-0142-M1	7,226.00	K8I-18-0142-M4	8,063.00	K8I-18-0142-M7	8,306.00
36-7/8	K8I-18-0143-M1	7,226.00	K8I-18-0143-M4	8,063.00	K8I-18-0143-M7	8,306.00
43-11/16	K8I-18-0144-M1	7,860.00	K8I-18-0144-M4	8,697.00	K8I-18-0144-M7	8,940.00
43-11/16	K8I-18-0145-M1	7,860.00	K8I-18-0145-M4	8,697.00	K8I-18-0145-M7	8,940.00
51-7/8	K8I-18-0146-M1	8,699.00	K8I-18-0146-M4	9,536.00	K8I-18-0146-M7	9,779.00
51-7/8	K8I-18-0147-M1	8,699.00	K8I-18-0147-M4	9,536.00	K8I-18-0147-M7	9,779.00
61-3/8	K8I-18-0149-M1	9,623.00	K8I-18-0149-M4	10,460.00	K8I-18-0149-M7	10,703.00
69-7/8	K8I-18-0151-M1	10,471.00	K8I-18-0151-M4	11,308.00	K8I-18-0151-M7	11,551.00
78-7/8	K8I-18-0153-M1	11,347.00	K8I-18-0153-M4	12,184.00	K8I-18-0153-M7	12,427.00

B Dim	10" FLANGE, 27 ELEMENTS					
32	K10I-27-0087-M1	9,607.00	K10I-27-0087-M4	10,599.00	K10I-27-0087-M7	10,887.00
43-11/16	K10I-27-0089-M1	11,217.00	K10I-27-0089-M4	12,209.00	K10I-27-0089-M7	12,497.00
51-7/8	K10I-27-0091-M1	12,475.00	K10I-27-0091-M4	13,467.00	K10I-27-0091-M7	13,755.00
61-3/8	K10I-27-0093-M1	13,819.00	K10I-27-0093-M4	14,811.00	K10I-27-0093-M7	15,099.00
69-7/8	K10I-27-0095-M1	15,062.00	K10I-27-0095-M4	16,054.00	K10I-27-0095-M7	16,342.00
78-7/8	K10I-27-0097-M1	16,385.00	K10I-27-0097-M4	17,377.00	K10I-27-0097-M7	17,665.00

B Dim	12" FLANGE, 36 ELEMENTS					
32	K12I-36-0071-M1	12,505.00	K12I-36-0071-M4	13,683.00	K12I-36-0071-M7	14,025.00
43-11/16	K12I-36-0073-M1	14,652.00	K12I-36-0073-M4	15,830.00	K12I-36-0073-M7	16,172.00
51-7/8	K12I-36-0074-M1	16,330.00	K12I-36-0075-M4	17,508.00	K12I-36-0075-M7	17,850.00
61-3/8	K12I-36-0075-M1	18,135.00	K12I-36-0077-M4	19,313.00	K12I-36-0077-M7	19,655.00
69-7/8	K12I-36-0079-M1	19,441.00	K12I-36-0079-M4	20,619.00	K12I-36-0079-M7	20,961.00
78-7/8	K12I-36-0081-M1	21,522.00	K12I-36-0081-M4	22,700.00	K12I-36-0081-M7	23,042.00

B Dim	14" FLANGE, 45 or 60 ELEMENTS					
32	K14I-45-0073-M1	15,267.00	K14I-45-0073-M4	16,569.00	K14I-45-0073-M7	16,947.00
43-11/16	K14I-45-0075-M1	17,951.00	K14I-45-0075-M4	19,253.00	K14I-45-0075-M7	19,631.00
51-7/8	K14I-45-0077-M1	20,069.00	K14I-45-0077-M4	21,371.00	K14I-45-0077-M7	21,749.00
61-3/8	K14I-60-0079-M1	28,418.00	K14I-60-0079-M4	29,720.00	K14I-60-0079-M7	30,098.00
69-7/8	K14I-60-0081-M1	31,110.00	K14I-60-0081-M4	32,412.00	K14I-60-0081-M7	32,790.00
78-7/8	K14I-60-0083-M1	33,933.00	K14I-60-0083-M4	35,235.00	K14I-60-0083-M7	35,613.00

STEEL ELEMENTS, 22 WATTS/SQ. IN., LIGHT WEIGHT OIL HEATING

B Dim	3" FLANGE, 3 ELEMENTS			
18-1/16	K3S-3-0021-M1	1,213.00	K3S-3-0021-M7	1,417.00
18-1/16	K3S-3-0022-M1	1,213.00	K3S-3-0022-M7	1,417.00
18-1/16	K3S-3-0023-M1	1,213.00	K3S-3-0023-M7	1,417.00
18-1/16	K3S-3-0024-M1	1,213.00	K3S-3-0024-M7	1,417.00
25-3/16	K3S-3-0025-M1	1,292.00	K3S-3-0025-M7	1,496.00
25-3/16	K3S-3-0026-M1	1,292.00	K3S-3-0026-M7	1,496.00
25-3/16	K3S-3-0027-M1	1,292.00	K3S-3-0027-M7	1,496.00
25-3/16	K3S-3-0028-M1	1,292.00	K3S-3-0028-M7	1,496.00
33-1/16	K3S-3-0029-M1	1,382.00	K3S-3-0029-M7	1,586.00
33-1/16	K3S-3-0030-M1	1,382.00	K3S-3-0030-M7	1,586.00
33-1/16	K3S-3-0031-M1	1,382.00	K3S-3-0031-M7	1,586.00
33-1/16	K3S-3-0032-M1	1,382.00	K3S-3-0032-M7	1,586.00
40-9/16	K3S-3-0033-M1	1,471.00	K3S-3-0033-M7	1,675.00
40-9/16	K3S-3-0034-M1	1,471.00	K3S-3-0034-M7	1,675.00
40-9/16	K3S-3-0035-M1	1,471.00	K3S-3-0035-M7	1,675.00
40-9/16	K3S-3-0036-M1	1,471.00	K3S-3-0036-M7	1,675.00
48-1/16	K3S-3-0037-M1	1,552.00	K3S-3-0037-M7	1,756.00
48-1/16	K3S-3-0038-M1	1,552.00	K3S-3-0038-M7	1,756.00
48-1/16	K3S-3-0039-M1	1,552.00	K3S-3-0039-M7	1,756.00
48-1/16	K3S-3-0040-M1	1,552.00	K3S-3-0040-M7	1,756.00

B Dim	4" FLANGE, 6 ELEMENTS			
18	K4S-6-0094-M1	1,926.00	K4S-6-0094-M7	2,305.00
18	K4S-6-0095-M1	1,926.00	K4S-6-0095-M7	2,305.00
18	K4S-6-0096-M1	1,926.00	K4S-6-0096-M7	2,305.00
18	K4S-6-0097-M1	1,926.00	K4S-6-0097-M7	2,305.00
25-1/2	K4S-6-0098-M1	2,087.00	K4S-6-0098-M7	2,466.00
25-1/2	K4S-6-0099-M1	2,087.00	K4S-6-0099-M7	2,466.00
25-1/2	K4S-6-0100-M1	2,087.00	K4S-6-0100-M7	2,466.00
25-1/2	K4S-6-0101-M1	2,087.00	K4S-6-0101-M7	2,466.00
33	K4S-6-0102-M1	2,266.00	K4S-6-0102-M7	2,645.00
33	K4S-6-0103-M1	2,266.00	K4S-6-0103-M7	2,645.00
40-1/2	K4S-6-0104-M1	2,427.00	K4S-6-0104-M7	2,806.00
40-1/2	K4S-6-0105-M1	2,427.00	K4S-6-0105-M7	2,806.00
48	K4S-6-0106-M1	2,606.00	K4S-6-0106-M7	2,985.00
48	K4S-6-0107-M1	2,606.00	K4S-6-0107-M7	2,985.00
64-1/2	K4S-6-0108-M1	2,972.00	K4S-6-0108-M7	3,351.00
64-1/2	K4S-6-0109-M1	2,972.00	K4S-6-0109-M7	3,351.00
77	K4S-6-0110-M1	3,264.00	K4S-6-0110-M7	3,643.00
77	K4S-6-0111-M1	3,264.00	K4S-6-0111-M7	3,643.00

B Dim	5" FLANGE, 6 ELEMENTS			
18-1/16	K5S-6-0022-M1	2,040.00	K5S-6-0022-M7	2,501.00
19-13/16	K5S-6-0023-M1	2,067.00	K5S-6-0023-M7	2,528.00
25-3/16	K5S-6-0024-M1	2,199.00	K5S-6-0024-M7	2,660.00
25-3/16	K5S-6-0025-M1	2,199.00	K5S-6-0025-M7	2,660.00
33-1/16	K5S-6-0026-M1	2,379.00	K5S-6-0026-M7	2,840.00
33-1/16	K5S-6-0027-M1	2,379.00	K5S-6-0027-M7	2,840.00
40-9/16	K5S-6-0028-M1	2,557.00	K5S-6-0028-M7	3,018.00
40-9/16	K5S-6-0029-M1	2,557.00	K5S-6-0029-M7	3,018.00
52-1/16	K5S-6-0030-M1	2,811.00	K5S-6-0030-M7	3,272.00
52-1/16	K5S-6-0031-M1	2,811.00	K5S-6-0031-M7	3,272.00
65-11/16	K5S-6-0032-M1	3,105.00	K5S-6-0032-M7	3,566.00
65-11/16	K5S-6-0033-M1	3,105.00	K5S-6-0033-M7	3,566.00
78-1/16	K5S-6-0034-M1	3,398.00	K5S-6-0034-M7	3,859.00
78-1/16	K5S-6-0035-M1	3,398.00	K5S-6-0035-M7	3,859.00

B Dim	6" FLANGE, 12 ELEMENTS					
25-1/2	K6S-12-0012-M1	3,564.00	K6S-12-0012-M4	4,246.00	K6S-12-0012-M7	4,444.00
25-1/2	K6S-12-0013-M1	3,564.00	K6S-12-0013-M4	4,246.00	K6S-12-0013-M7	4,444.00
33	K6S-12-0014-M1	3,922.00	K6S-12-0014-M4	4,604.00	K6S-12-0014-M7	4,802.00
33	K6S-12-0015-M1	3,922.00	K6S-12-0015-M4	4,604.00	K6S-12-0015-M7	4,802.00
40-1/2	K6S-12-0016-M1	4,244.00	K6S-12-0016-M4	4,926.00	K6S-12-0016-M7	5,124.00
40-1/2	K6S-12-0017-M1	4,244.00	K6S-12-0017-M4	4,926.00	K6S-12-0017-M7	5,124.00
48	K6S-12-0018-M1	4,602.00	K6S-12-0018-M4	5,284.00	K6S-12-0018-M7	5,482.00
48	K6S-12-0019-M1	4,602.00	K6S-12-0019-M4	5,284.00	K6S-12-0019-M7	5,482.00

B Dim	8" FLANGE, 18 ELEMENTS					
32-7/8	K8S-18-0015-M1	5,602.00	K8S-18-0015-M4	6,439.00	K8S-18-0015-M7	6,682.00
32-7/8	K8S-18-0016-M1	5,602.00	K8S-18-0016-M4	6,439.00	K8S-18-0016-M7	6,682.00
43-11/16	K8S-18-0017-M1	6,285.00	K8S-18-0017-M4	7,122.00	K8S-18-0017-M7	7,365.00
43-11/16	K8S-18-0018-M1	6,285.00	K8S-18-0018-M4	7,122.00	K8S-18-0018-M7	7,365.00
51-7/8	K8S-18-0019-M1	6,882.00	K8S-18-0019-M4	7,719.00	K8S-18-0019-M7	7,962.00
51-7/8	K8S-18-0020-M1	6,882.00	K8S-18-0020-M4	7,719.00	K8S-18-0020-M7	7,962.00
61-3/8	K8S-18-0021-M1	7,510.00	K8S-18-0021-M4	8,347.00	K8S-18-0021-M7	8,590.00
61-3/8	K8S-18-0022-M1	7,510.00	K8S-18-0022-M4	8,347.00	K8S-18-0022-M7	8,590.00
69-7/8	K8S-18-0023-M1	8,098.00	K8S-18-0023-M4	8,935.00	K8S-18-0023-M7	9,178.00
69-7/8	K8S-18-0024-M1	8,098.00	K8S-18-0024-M4	8,935.00	K8S-18-0024-M7	9,178.00
78-7/8	K8S-18-0025-M1	8,706.00	K8S-18-0025-M4	9,543.00	K8S-18-0025-M7	9,786.00
78-7/8	K8S-18-0026-M1	8,706.00	K8S-18-0026-M4	9,543.00	K8S-18-0026-M7	9,786.00

B Dim.	10" FLANGE, 27 ELEMENTS					
32	K10S-27-0017-M1	7,952.00	K10S-27-0017-M4	8,944.00	K10S-27-0017-M7	9,232.00
32	K10S-27-0018-M1	7,952.00	K10S-27-0018-M4	8,944.00	K10S-27-0018-M7	9,232.00
43-11/16	K10S-27-0019-M1	9,080.00	K10S-27-0019-M4	10,072.00	K10S-27-0019-M7	10,360.00
43-11/16	K10S-27-0020-M1	9,080.00	K10S-27-0020-M4	10,072.00	K10S-27-0020-M7	10,360.00
51-7/8	K10S-27-0021-M1	9,975.00	K10S-27-0021-M4	10,967.00	K10S-27-0021-M7	11,255.00
51-7/8	K10S-27-0022-M1	9,975.00	K10S-27-0022-M4	10,967.00	K10S-27-0022-M7	11,255.00
61-3/8	K10S-27-0024-M1	10,937.00	K10S-27-0024-M4	11,929.00	K10S-27-0024-M7	12,217.00
69-7/8	K10S-27-0026-M1	11,820.00	K10S-27-0026-M4	12,812.00	K10S-27-0026-M7	13,100.00
78-7/8	K10S-27-0028-M1	12,732.00	K10S-27-0028-M4	13,724.00	K10S-27-0028-M7	14,012.00

B Dim	12" FLANGE, 36 ELEMENTS					
32	K12S-36-0017-M1	10,393.00	K12S-36-0017-M4	11,571.00	K12S-36-0017-M7	11,913.00
32	K12S-36-0018-M1	10,393.00	K12S-36-0018-M4	11,571.00	K12S-36-0018-M7	11,913.00
43-11/16	K12S-36-0020-M1	11,911.00	K12S-36-0020-M4	13,089.00	K12S-36-0020-M7	13,431.00
51-7/8	K12S-36-0022-M1	13,104.00	K12S-36-0022-M4	14,282.00	K12S-36-0022-M7	14,624.00
61-3/8	K12S-36-0024-M1	14,380.00	K12S-36-0024-M4	15,558.00	K12S-36-0024-M7	15,900.00
69-7/8	K12S-36-0026-M1	15,557.00	K12S-36-0026-M4	16,735.00	K12S-36-0026-M7	17,077.00
78-7/8	K12S-36-0028-M1	16,773.00	K12S-36-0028-M4	17,951.00	K12S-36-0028-M7	18,293.00

B Dim	14" FLANGE, 45 ELEMENTS					
32	K14S-45-0014-M1	12,722.00	K14S-45-0014-M4	14,024.00	K14S-45-0014-M7	14,402.00
32	K14S-45-0015-M1	12,722.00	K14S-45-0015-M4	14,024.00	K14S-45-0015-M7	14,402.00
43-11/16	K14S-45-0017-M1	14,629.00	K14S-45-0017-M4	15,931.00	K14S-45-0017-M7	16,309.00
51-7/8	K14S-45-0019-M1	16,120.00	K14S-45-0019-M4	17,422.00	K14S-45-0019-M7	17,800.00
61-3/8	K14S-45-0021-M1	17,711.00	K14S-45-0021-M4	19,013.00	K14S-45-0021-M7	19,391.00
69-7/8	K14S-45-0023-M1	19,182.00	K14S-45-0023-M4	20,484.00	K14S-45-0023-M7	20,862.00
78-7/8	K14S-45-0025-M1	20,702.00	K14S-45-0025-M4	22,004.00	K14S-45-0025-M7	22,382.00

STEEL ELEMENTS, 11 or 13 WATTS/SQ. IN. MEDIUM WEIGHT OIL HEATING

B Dim	3" FLANGE, 3 ELEMENTS			
25-3/16	K3S-3-0041-M1	1,286.00	K3S-3-0041-M7	1,490.00
25-3/16	K3S-3-0042-M1	1,286.00	K3S-3-0042-M7	1,490.00
25-3/16	K3S-3-0043-M1	1,286.00	K3S-3-0043-M7	1,490.00
25-3/16	K3S-3-0044-M1	1,286.00	K3S-3-0044-M7	1,490.00
33-1/16	K3S-3-0045-M1	1,374.00	K3S-3-0045-M7	1,578.00
33-1/16	K3S-3-0046-M1	1,374.00	K3S-3-0046-M7	1,578.00
33-1/16	K3S-3-0047-M1	1,374.00	K3S-3-0047-M7	1,578.00
33-1/16	K3S-3-0048-M1	1,374.00	K3S-3-0048-M7	1,578.00
48-1/16	K3S-3-0049-M1	1,540.00	K3S-3-0049-M7	1,744.00
48-1/16	K3S-3-0050-M1	1,540.00	K3S-3-0050-M7	1,744.00
48-1/16	K3S-3-0051-M1	1,540.00	K3S-3-0051-M7	1,744.00
48-1/16	K3S-3-0052-M1	1,540.00	K3S-3-0052-M7	1,744.00

B Dim	4" FLANGE, 6 ELEMENTS			
18	K4S-6-0112-M1	1,914.00	K4S-6-0112-M7	2,293.00
18	K4S-6-0113-M1	1,914.00	K4S-6-0113-M7	2,293.00
18	K4S-6-0114-M1	1,914.00	K4S-6-0114-M7	2,293.00
18	K4S-6-0115-M1	1,914.00	K4S-6-0115-M7	2,293.00
25-1/2	K4S-6-0116-M1	2,075.00	K4S-6-0116-M7	2,454.00
25-1/2	K4S-6-0117-M1	2,075.00	K4S-6-0117-M7	2,454.00
25-1/2	K4S-6-0118-M1	2,075.00	K4S-6-0118-M7	2,454.00
25-1/2	K4S-6-0119-M1	2,075.00	K4S-6-0119-M7	2,454.00
33	K4S-6-0120-M1	2,249.00	K4S-6-0120-M7	2,628.00
33	K4S-6-0121-M1	2,249.00	K4S-6-0121-M7	2,628.00
40-1/2	K4S-6-0122-M1	2,406.00	K4S-6-0122-M7	2,785.00
40-1/2	K4S-6-0123-M1	2,406.00	K4S-6-0123-M7	2,785.00
48	K4S-6-0124-M1	2,581.00	K4S-6-0124-M7	2,960.00
48	K4S-6-0125-M1	2,581.00	K4S-6-0125-M7	2,960.00

B Dim	5" FLANGE, 6 ELEMENTS			
33-1/16	K5S-6-0036-M1	2,363.00	K5S-6-0036-M7	2,824.00
33-1/16	K5S-6-0037-M1	2,363.00	K5S-6-0037-M7	2,824.00
40-9/16	K5S-6-0038-M1	2,536.00	K5S-6-0038-M7	2,997.00
40-9/16	K5S-6-0039-M1	2,536.00	K5S-6-0039-M7	2,997.00
48-1/16	K5S-6-0040-M1	2,694.00	K5S-6-0040-M7	3,155.00
48-1/16	K5S-6-0041-M1	2,694.00	K5S-6-0041-M7	3,155.00
57-1/16	K5S-6-0042-M1	2,896.00	K5S-6-0042-M7	3,357.00
57-1/16	K5S-6-0043-M1	2,896.00	K5S-6-0043-M7	3,357.00
78-1/16	K5S-6-0044-M1	3,349.00	K5S-6-0044-M7	3,810.00
78-1/16	K5S-6-0045-M1	3,349.00	K5S-6-0045-M7	3,810.00

B Dim	6" FLANGE, 12 ELEMENTS					
25-1/2	K6S-12-0168-M1	3,527.00	K6S-12-0168-M4	4,209.00	K6S-12-0168-M7	4,407.00
25-1/2	K6S-12-0169-M1	3,527.00	K6S-12-0169-M4	4,209.00	K6S-12-0169-M7	4,407.00
33	K6S-12-0170-M1	3,873.00	K6S-12-0170-M4	4,555.00	K6S-12-0170-M7	4,753.00
33	K6S-12-0171-M1	3,873.00	K6S-12-0171-M4	4,555.00	K6S-12-0171-M7	4,753.00
40-1/2	K6S-12-0172-M1	4,182.00	K6S-12-0172-M4	4,864.00	K6S-12-0172-M7	5,062.00
40-1/2	K6S-12-0173-M1	4,182.00	K6S-12-0173-M4	4,864.00	K6S-12-0173-M7	5,062.00
48	K6S-12-0174-M1	4,528.00	K6S-12-0174-M4	5,210.00	K6S-12-0174-M7	5,408.00
48	K6S-12-0175-M1	4,528.00	K6S-12-0175-M4	5,210.00	K6S-12-0175-M7	5,408.00

B Dim	8" FLANGE, 18 ELEMENTS					
32-7/8	K8S-18-0052-M1	5,561.00	K8S-18-0052-M4	6,398.00	K8S-18-0052-M7	6,641.00
32-7/8	K8S-18-0053-M1	5,561.00	K8S-18-0053-M4	6,398.00	K8S-18-0053-M7	6,641.00
43-11/16	K8S-18-0054-M1	6,223.00	K8S-18-0054-M4	7,060.00	K8S-18-0054-M7	7,303.00
43-11/16	K8S-18-0055-M1	6,223.00	K8S-18-0055-M4	7,060.00	K8S-18-0055-M7	7,303.00
51-7/8	K8S-18-0056-M1	6,799.00	K8S-18-0056-M4	7,636.00	K8S-18-0056-M7	7,879.00
51-7/8	K8S-18-0057-M1	6,799.00	K8S-18-0057-M4	7,636.00	K8S-18-0057-M7	7,879.00
61-3/8	K8S-18-0058-M1	7,407.00	K8S-18-0058-M4	8,244.00	K8S-18-0058-M7	8,487.00
61-3/8	K8S-18-0059-M1	7,407.00	K8S-18-0059-M4	8,244.00	K8S-18-0059-M7	8,487.00
69-7/8	K8S-18-0060-M1	7,974.00	K8S-18-0060-M4	8,811.00	K8S-18-0060-M7	9,054.00
69-7/8	K8S-18-0061-M1	7,974.00	K8S-18-0061-M4	8,811.00	K8S-18-0061-M7	9,054.00
78-7/8	K8S-18-0062-M1	8,562.00	K8S-18-0062-M4	9,399.00	K8S-18-0062-M7	9,642.00
78-7/8	K8S-18-0063-M1	8,562.00	K8S-18-0063-M4	9,399.00	K8S-18-0063-M7	9,642.00

B Dim.	10" FLANGE, 27 ELEMENTS					
32	K10S-27-0029-M1	7,849.00	K10S-27-0029-M4	8,841.00	K10S-27-0029-M7	9,129.00
32	K10S-27-0030-M1	7,849.00	K10S-27-0030-M4	8,841.00	K10S-27-0030-M7	9,129.00
43-11/16	K10S-27-0031-M1	8,936.00	K10S-27-0031-M4	9,928.00	K10S-27-0031-M7	10,216.00
43-11/16	K10S-27-0032-M1	8,936.00	K10S-27-0032-M4	9,928.00	K10S-27-0032-M7	10,216.00
51-7/8	K10S-27-0033-M1	9,810.00	K10S-27-0033-M4	10,802.00	K10S-27-0033-M7	11,090.00
51-7/8	K10S-27-0034-M1	9,810.00	K10S-27-0034-M4	10,802.00	K10S-27-0034-M7	11,090.00
61-3/8	K10S-27-0035-M1	10,711.00	K10S-27-0035-M4	11,703.00	K10S-27-0035-M7	11,991.00
61-3/8	K10S-27-0036-M1	10,711.00	K10S-27-0036-M4	11,703.00	K10S-27-0036-M7	11,991.00
69-7/8	K10S-27-0037-M1	11,573.00	K10S-27-0037-M4	12,565.00	K10S-27-0037-M7	12,853.00
69-7/8	K10S-27-0038-M1	11,573.00	K10S-27-0038-M4	12,565.00	K10S-27-0038-M7	12,853.00
78-7/8	K10S-27-0039-M1	12,465.00	K10S-27-0039-M4	13,457.00	K10S-27-0039-M7	13,745.00
78-7/8	K10S-27-0040-M1	12,465.00	K10S-27-0040-M4	13,457.00	K10S-27-0040-M7	13,745.00

B Dim.	12" FLANGE, 36 ELEMENTS					
32	K12S-36-0029-M1	10,249.00	K12S-36-0029-M4	11,427.00	K12S-36-0029-M7	11,769.00
32	K12S-36-0030-M1	10,249.00	K12S-36-0030-M4	11,427.00	K12S-36-0030-M7	11,769.00
43-11/16	K12S-36-0031-M1	11,705.00	K12S-36-0031-M4	12,883.00	K12S-36-0031-M7	13,225.00
43-11/16	K12S-36-0032-M1	11,705.00	K12S-36-0032-M4	12,883.00	K12S-36-0032-M7	13,225.00
51-7/8	K12S-36-0033-M1	12,856.00	K12S-36-0033-M4	14,034.00	K12S-36-0033-M7	14,376.00
51-7/8	K12S-36-0034-M1	12,856.00	K12S-36-0034-M4	14,034.00	K12S-36-0034-M7	14,376.00
61-3/8	K12S-36-0036-M1	14,092.00	K12S-36-0036-M4	15,270.00	K12S-36-0036-M7	15,612.00
69-7/8	K12S-36-0038-M1	15,227.00	K12S-36-0038-M4	16,405.00	K12S-36-0038-M7	16,747.00
78-7/8	K12S-36-0040-M1	16,403.00	K12S-36-0040-M4	17,581.00	K12S-36-0040-M7	17,923.00

B Dim.	14" FLANGE, 45 ELEMENTS					
32	K14S-45-0026-M1	12,557.00	K14S-45-0026-M4	13,859.00	K14S-45-0026-M7	14,237.00
32	K14S-45-0027-M1	12,566.00	K14S-45-0027-M4	13,868.00	K14S-45-0027-M7	14,246.00
43-11/16	K14S-45-0028-M1	14,382.00	K14S-45-0028-M4	15,684.00	K14S-45-0028-M7	16,062.00
43-11/16	K14S-45-0029-M1	14,382.00	K14S-45-0029-M4	15,684.00	K14S-45-0029-M7	16,062.00
51-7/8	K14S-45-0030-M1	15,811.00	K14S-45-0030-M4	17,113.00	K14S-45-0030-M7	17,491.00
51-7/8	K14S-45-0031-M1	15,811.00	K14S-45-0031-M4	17,113.00	K14S-45-0031-M7	17,491.00
61-3/8	K14S-45-0033-M1	17,093.00	K14S-45-0033-M4	18,395.00	K14S-45-0033-M7	18,773.00
69-7/8	K14S-45-0035-M1	18,770.00	K14S-45-0035-M4	20,072.00	K14S-45-0035-M7	20,450.00
78-7/8	K14S-45-0037-M1	20,249.00	K14S-45-0037-M4	21,551.00	K14S-45-0037-M7	21,929.00

STEEL ELEMENTS, 6.5 WATTS/SQ. IN. HEAVY WEIGHT OIL HEATING

B Dim	3" FLANGE, 3 ELEMENTS			
25-3/16	K3S-3-0328-M1	1,280.00	K3S-3-0328-M7	1,484.00
25-3/16	K3S-3-0329-M1	1,280.00	K3S-3-0329-M7	1,484.00
25-3/16	K3S-3-0330-M1	1,280.00	K3S-3-0330-M7	1,484.00
25-3/16	K3S-3-0331-M1	1,280.00	K3S-3-0331-M7	1,484.00
33-1/16	K3S-3-0332-M1	1,366.00	K3S-3-0332-M7	1,570.00
33-1/16	K3S-3-0333-M1	1,366.00	K3S-3-0333-M7	1,570.00
33-1/16	K3S-3-0334-M1	1,366.00	K3S-3-0334-M7	1,570.00
33-1/16	K3S-3-0335-M1	1,366.00	K3S-3-0335-M7	1,570.00
48-1/16	K3S-3-0336-M1	1,528.00	K3S-3-0336-M7	1,732.00
48-1/16	K3S-3-0337-M1	1,528.00	K3S-3-0337-M7	1,732.00
48-1/16	K3S-3-0338-M1	1,528.00	K3S-3-0338-M7	1,732.00
48-1/16	K3S-3-0339-M1	1,528.00	K3S-3-0339-M7	1,732.00

B Dim	4" FLANGE, 6 ELEMENTS			
40-1/2	K4S-6-0126-M1	2,385.00	K4S-6-0126-M7	2,764.00
40-1/2	K4S-6-0127-M1	2,385.00	K4S-6-0127-M7	2,764.00
48	K4S-6-0128-M1	2,556.00	K4S-6-0128-M7	2,935.00
48	K4S-6-0129-M1	2,556.00	K4S-6-0129-M7	2,935.00
64-1/2	K4S-6-0130-M1	2,902.00	K4S-6-0130-M7	3,281.00
64-1/2	K4S-6-0131-M1	2,902.00	K4S-6-0131-M7	3,281.00

B Dim	5" FLANGE, 6 ELEMENTS			
33-1/16	K5S-6-0288-M1	2,346.00	K5S-6-0288-M7	2,807.00
33-1/16	K5S-6-0289-M1	2,346.00	K5S-6-0289-M7	2,807.00
48-1/16	K5S-6-0290-M1	2,670.00	K5S-6-0290-M7	3,131.00
48-1/16	K5S-6-0291-M1	2,670.00	K5S-6-0291-M7	3,131.00
78-1/16	K5S-6-0292-M1	3,312.00	K5S-6-0292-M7	3,773.00
78-1/16	K5S-6-0293-M1	3,312.00	K5S-6-0293-M7	3,773.00

B Dim	6" FLANGE, 12 ELEMENTS					
25-1/2	K6S-12-0192-M1	3,510.00	K6S-12-0192-M4	4,192.00	K6S-12-0192-M7	4,390.00
25-1/2	K6S-12-0193-M1	3,510.00	K6S-12-0193-M4	4,192.00	K6S-12-0193-M7	4,390.00
33	K6S-12-0194-M1	3,851.00	K6S-12-0194-M4	4,533.00	K6S-12-0194-M7	4,731.00
33	K6S-12-0195-M1	3,851.00	K6S-12-0195-M4	4,533.00	K6S-12-0195-M7	4,731.00
40-1/2	K6S-12-0196-M1	4,155.00	K6S-12-0196-M4	4,837.00	K6S-12-0196-M7	5,035.00
40-1/2	K6S-12-0197-M1	4,155.00	K6S-12-0197-M4	4,837.00	K6S-12-0197-M7	5,035.00
48	K6S-12-0198-M1	4,496.00	K6S-12-0198-M4	5,178.00	K6S-12-0198-M7	5,376.00
48	K6S-12-0199-M1	4,496.00	K6S-12-0199-M4	5,178.00	K6S-12-0199-M7	5,376.00

B Dim		8" FLANGE, 18 ELEMENTS				
32-7/8	K8S-18-0154-M1	5,520.00	K8S-18-0154-M4	6,357.00	K8S-18-0154-M7	6,600.00
32-7/8	K8S-18-0155-M1	5,520.00	K8S-18-0155-M4	6,357.00	K8S-18-0155-M7	6,600.00
43-11/16	K8S-18-0156-M1	6,172.00	K8S-18-0156-M4	7,009.00	K8S-18-0156-M7	7,252.00
43-11/16	K8S-18-0157-M1	6,172.00	K8S-18-0157-M4	7,009.00	K8S-18-0157-M7	7,252.00
51-7/8	K8S-18-0158-M1	6,737.00	K8S-18-0158-M4	7,574.00	K8S-18-0158-M7	7,817.00
51-7/8	K8S-18-0159-M1	6,737.00	K8S-18-0159-M4	7,574.00	K8S-18-0159-M7	7,817.00
61-3/8	K8S-18-0160-M1	7,334.00	K8S-18-0160-M4	8,171.00	K8S-18-0160-M7	8,414.00
61-3/8	K8S-18-0161-M1	7,334.00	K8S-18-0161-M4	8,171.00	K8S-18-0161-M7	8,414.00
69-7/8	K8S-18-0162-M1	7,892.00	K8S-18-0162-M4	8,729.00	K8S-18-0162-M7	8,972.00
69-7/8	K8S-18-0163-M1	7,892.00	K8S-18-0163-M4	8,729.00	K8S-18-0163-M7	8,972.00
78-7/8	K8S-18-0164-M1	8,469.00	K8S-18-0164-M4	9,306.00	K8S-18-0164-M7	9,549.00
78-7/8	K8S-18-0165-M1	8,469.00	K8S-18-0165-M4	9,306.00	K8S-18-0165-M7	9,549.00

B Dim		10" FLANGE, 27 ELEMENTS				
32	K10S-27-0098-M1	7,802.00	K10S-27-0098-M4	8,794.00	K10S-27-0098-M7	9,082.00
32	K10S-27-0099-M1	7,802.00	K10S-27-0099-M4	8,794.00	K10S-27-0099-M7	9,082.00
43-11/16	K10S-27-0100-M1	8,874.00	K10S-27-0100-M4	9,866.00	K10S-27-0100-M7	10,154.00
43-11/16	K10S-27-0101-M1	8,874.00	K10S-27-0101-M4	9,866.00	K10S-27-0101-M7	10,154.00
51-7/8	K10S-27-0102-M1	9,724.00	K10S-27-0102-M4	10,716.00	K10S-27-0102-M7	11,004.00
51-7/8	K10S-27-0103-M1	9,724.00	K10S-27-0103-M4	10,716.00	K10S-27-0103-M7	11,004.00
61-3/8	K10S-27-0104-M1	10,620.00	K10S-27-0104-M4	11,612.00	K10S-27-0104-M7	11,900.00
61-3/8	K10S-27-0105-M1	10,620.00	K10S-27-0105-M4	11,612.00	K10S-27-0105-M7	11,900.00
69-7/8	K10S-27-0106-M1	11,464.00	K10S-27-0106-M4	12,456.00	K10S-27-0106-M7	12,744.00
69-7/8	K10S-27-0107-M1	11,464.00	K10S-27-0107-M4	12,456.00	K10S-27-0107-M7	12,744.00
78-7/8	K10S-27-0108-M1	12,333.00	K10S-27-0108-M4	13,325.00	K10S-27-0108-M7	13,613.00
78-7/8	K10S-27-0109-M1	12,333.00	K10S-27-0109-M4	13,325.00	K10S-27-0109-M7	13,613.00

B Dim		12" FLANGE, 36 ELEMENTS				
32	K12S-36-0082-M1	10,200.00	K12S-36-0082-M4	11,378.00	K12S-36-0082-M7	11,720.00
32	K12S-36-0083-M1	10,200.00	K12S-36-0083-M4	11,378.00	K12S-36-0083-M7	11,720.00
43-11/16	K12S-36-0084-M1	11,629.00	K12S-36-0084-M4	12,807.00	K12S-36-0084-M7	13,149.00
43-11/16	K12S-36-0085-M1	11,629.00	K12S-36-0085-M4	11,629.00	K12S-36-0085-M7	12,807.00
51-7/8	K12S-36-0086-M1	12,762.00	K12S-36-0086-M4	13,940.00	K12S-36-0086-M7	14,282.00
51-7/8	K12S-36-0087-M1	12,762.00	K12S-36-0087-M4	13,940.00	K12S-36-0087-M7	14,282.00
61-3/8	K12S-36-0088-M1	13,956.00	K12S-36-0088-M4	15,134.00	K12S-36-0088-M7	15,476.00
61-3/8	K12S-36-0089-M1	13,956.00	K12S-36-0089-M4	15,134.00	K12S-36-0089-M7	15,476.00
69-7/8	K12S-36-0090-M1	15,081.00	K12S-36-0090-M4	16,259.00	K12S-36-0090-M7	16,601.00
69-7/8	K12S-36-0091-M1	15,081.00	K12S-36-0091-M4	16,259.00	K12S-36-0091-M7	16,601.00
78-7/8	K12S-36-0092-M1	16,240.00	K12S-36-0092-M4	17,418.00	K12S-36-0092-M7	17,760.00
78-7/8	K12S-36-0093-M1	16,240.00	K12S-36-0093-M4	17,418.00	K12S-36-0093-M7	17,760.00

B Dim		14" FLANGE, 45 ELEMENTS				
32	K14S-45-0084-M1	12,485.00	K14S-45-0084-M4	13,787.00	K14S-45-0084-M7	14,165.00
32	K14S-45-0085-M1	12,485.00	K14S-45-0085-M4	13,787.00	K14S-45-0085-M7	14,165.00
43-11/16	K14S-45-0086-M1	14,271.00	K14S-45-0086-M4	15,573.00	K14S-45-0086-M7	15,951.00
43-11/16	K14S-45-0087-M1	14,271.00	K14S-45-0087-M4	15,573.00	K14S-45-0087-M7	15,951.00
51-7/8	K14S-45-0088-M1	15,688.00	K14S-45-0088-M4	16,990.00	K14S-45-0088-M7	17,368.00
51-7/8	K14S-45-0089-M1	15,688.00	K14S-45-0089-M4	16,990.00	K14S-45-0089-M7	17,368.00
61-3/8	K14S-45-0090-M1	17,181.00	K14S-45-0090-M4	18,483.00	K14S-45-0090-M7	18,861.00
61-3/8	K14S-45-0091-M1	17,181.00	K14S-45-0091-M4	18,483.00	K14S-45-0091-M7	18,861.00
69-7/8	K14S-45-0092-M1	18,588.00	K14S-45-0092-M4	19,890.00	K14S-45-0092-M7	20,268.00
69-7/8	K14S-45-0093-M1	18,588.00	K14S-45-0093-M4	19,890.00	K14S-45-0093-M7	20,268.00
78-7/8	K14S-45-0094-M1	20,035.00	K14S-45-0094-M4	21,337.00	K14S-45-0094-M7	21,715.00
78-7/8	K14S-45-0095-M1	20,035.00	K14S-45-0095-M4	21,337.00	K14S-45-0095-M7	21,715.00

STAINLESS STEEL ELEMENTS, 22 WATTS/SQ. IN. MILD CORROSIVE SOLUTION HEATING

B Dim	3" FLANGE, 3 ELEMENTS			
18-1/16	K3A-3-0340-M1	1,572.00	K3A-3-0340-M7	1,776.00
18-1/16	K3A-3-0341-M1	1,572.00	K3A-3-0341-M7	1,776.00
18-1/16	K3A-3-0342-M1	1,572.00	K3A-3-0342-M7	1,776.00
18-1/16	K3A-3-0343-M1	1,572.00	K3A-3-0343-M7	1,776.00
25-3/16	K3A-3-0344-M1	1,664.00	K3A-3-0344-M7	1,868.00
25-3/16	K3A-3-0345-M1	1,664.00	K3A-3-0345-M7	1,868.00
25-3/16	K3A-3-0346-M1	1,664.00	K3A-3-0346-M7	1,868.00
25-3/16	K3A-3-0347-M1	1,664.00	K3A-3-0347-M7	1,868.00
33-1/16	K3A-3-0348-M1	1,769.00	K3A-3-0348-M7	1,973.00
33-1/16	K3A-3-0349-M1	1,769.00	K3A-3-0349-M7	1,973.00
33-1/16	K3A-3-0350-M1	1,769.00	K3A-3-0350-M7	1,973.00
33-1/16	K3A-3-0351-M1	1,769.00	K3A-3-0351-M7	1,973.00
48-1/16	K3A-3-0352-M1	1,967.00	K3A-3-0352-M7	2,171.00
48-1/16	K3A-3-0353-M1	1,967.00	K3A-3-0353-M7	2,171.00

B Dim	4" FLANGE, 6 ELEMENTS			
18	K4A-6-0132-M1	2,323.00	K4A-6-0132-M7	2,702.00
18	K4A-6-0133-M1	2,323.00	K4A-6-0133-M7	2,702.00
18	K4A-6-0134-M1	2,323.00	K4A-6-0134-M7	2,702.00
18	K4A-6-0135-M1	2,323.00	K4A-6-0135-M7	2,702.00
25-1/2	K4A-6-0136-M1	2,510.00	K4A-6-0136-M7	2,889.00
25-1/2	K4A-6-0137-M1	2,510.00	K4A-6-0137-M7	2,889.00
25-1/2	K4A-6-0138-M1	2,510.00	K4A-6-0138-M7	2,889.00
25-1/2	K4A-6-0139-M1	2,510.00	K4A-6-0139-M7	2,889.00
33	K4A-6-0140-M1	2,719.00	K4A-6-0140-M7	3,098.00
33	K4A-6-0141-M1	2,719.00	K4A-6-0141-M7	3,098.00
40-1/2	K4A-6-0142-M1	2,906.00	K4A-6-0142-M7	3,285.00
40-1/2	K4A-6-0143-M1	2,906.00	K4A-6-0143-M7	3,285.00
48	K4A-6-0144-M1	3,114.00	K4A-6-0144-M7	3,493.00
48	K4A-6-0145-M1	3,114.00	K4A-6-0145-M7	3,493.00
64-1/2	K4A-6-0146-M1	3,540.00	K4A-6-0146-M7	3,919.00
64-1/2	K4A-6-0147-M1	3,540.00	K4A-6-0147-M7	3,919.00
77	K4A-6-0148-M1	3,881.00	K4A-6-0148-M7	4,260.00
77	K4A-6-0149-M1	3,881.00	K4A-6-0149-M7	4,260.00

B Dim	5" FLANGE, 6 ELEMENTS			
25-3/16	K5A-6-0294-M1	2,625.00	K5A-6-0294-M7	3,086.00
25-3/16	K5A-6-0295-M1	2,625.00	K5A-6-0295-M7	3,086.00
33-1/16	K5A-6-0296-M1	2,835.00	K5A-6-0296-M7	3,296.00
33-1/16	K5A-6-0297-M1	2,835.00	K5A-6-0297-M7	3,296.00
40-9/16	K5A-6-0298-M1	3,042.00	K5A-6-0298-M7	3,503.00
40-9/16	K5A-6-0299-M1	3,042.00	K5A-6-0299-M7	3,503.00
52-1/16	K5A-6-0300-M1	3,338.00	K5A-6-0300-M7	3,799.00
52-1/16	K5A-6-0301-M1	3,338.00	K5A-6-0301-M7	3,799.00
65-11/16	K5A-6-0302-M1	3,680.00	K5A-6-0302-M7	4,141.00
65-11/16	K5A-6-0303-M1	3,680.00	K5A-6-0303-M7	4,141.00
78-1/16	K5A-6-0304-M1	4,022.00	K5A-6-0304-M7	4,483.00
78-1/16	K5A-6-0305-M1	4,022.00	K5A-6-0305-M7	4,483.00

B Dim	6" FLANGE, 12 ELEMENTS					
25-1/8	K6A-12-0176-M1	4,087.00	K6A-12-0176-M4	4,769.00	K6A-12-0176-M7	4,967.00
25-1/8	K6A-12-0177-M1	4,087.00	K6A-12-0177-M4	4,769.00	K6A-12-0177-M7	4,967.00
33	K6A-12-0178-M1	4,504.00	K6A-12-0178-M4	5,186.00	K6A-12-0178-M7	5,384.00
33	K6A-12-0179-M1	4,504.00	K6A-12-0179-M4	5,186.00	K6A-12-0179-M7	5,384.00
40-1/2	K6A-12-0180-M1	4,878.00	K6A-12-0180-M4	5,560.00	K6A-12-0180-M7	5,758.00
40-1/2	K6A-12-0181-M1	4,878.00	K6A-12-0181-M4	5,560.00	K6A-12-0181-M7	5,758.00
48	K6A-12-0182-M1	5,295.00	K6A-12-0182-M4	5,977.00	K6A-12-0182-M7	6,175.00
48	K6A-12-0183-M1	5,295.00	K6A-12-0183-M4	5,977.00	K6A-12-0183-M7	6,175.00

B Dim	8" FLANGE, 18 ELEMENTS					
32-7/8	K8A-18-0166-M1	6,313.00	K8A-18-0166-M4	7,150.00	K8A-18-0166-M7	7,393.00
32-7/8	K8A-18-0167-M1	6,313.00	K8A-18-0167-M4	7,150.00	K8A-18-0167-M7	7,393.00
43-11/16	K8A-18-0168-M1	7,109.00	K8A-18-0168-M4	7,946.00	K8A-18-0168-M7	8,189.00
43-11/16	K8A-18-0169-M1	7,109.00	K8A-18-0169-M4	7,946.00	K8A-18-0169-M7	8,189.00
51-7/8	K8A-18-0170-M1	7,804.00	K8A-18-0170-M4	8,641.00	K8A-18-0170-M7	8,884.00
51-7/8	K8A-18-0171-M1	7,804.00	K8A-18-0171-M4	8,641.00	K8A-18-0171-M7	8,884.00

B Dim	10" FLANGE, 27 ELEMENTS					
32	K10A-27-0110-M1	8,839.00	K10A-27-0110-M4	9,831.00	K10A-27-0110-M7	10,119.00
32	K10A-27-0111-M1	8,839.00	K10A-27-0111-M4	9,831.00	K10A-27-0111-M7	10,119.00
43-11/16	K10A-27-0112-M1	10,152.00	K10A-27-0112-M4	11,144.00	K10A-27-0112-M7	11,432.00
43-11/16	K10A-27-0113-M1	10,152.00	K10A-27-0113-M4	11,144.00	K10A-27-0113-M7	11,432.00
51-7/8	K10A-27-0114-M1	11,194.00	K10A-27-0114-M4	12,186.00	K10A-27-0114-M7	12,474.00
51-7/8	K10A-27-0115-M1	11,194.00	K10A-27-0115-M4	12,186.00	K10A-27-0115-M7	12,474.00
61-3/8	K10A-27-0117-M1	12,313.00	K10A-27-0117-M4	13,305.00	K10A-27-0117-M7	13,593.00
69-7/8	K10A-27-0119-M1	13,341.00	K10A-27-0119-M4	14,333.00	K10A-27-0119-M7	14,621.00
78-7/8	K10A-27-0121-M1	14,404.00	K10A-27-0121-M4	15,396.00	K10A-27-0121-M7	15,684.00

B Dim	12" FLANGE, 36 ELEMENTS					
32	K12A-36-0094-M1	11,468.00	K12A-36-0094-M4	12,646.00	K12A-36-0094-M7	12,988.00
32	K12A-36-0095-M1	11,468.00	K12A-36-0095-M4	12,646.00	K12A-36-0095-M7	12,988.00
43-11/16	K12A-36-0097-M1	13,232.00	K12A-36-0097-M4	14,410.00	K12A-36-0097-M7	14,752.00
51-7/8	K12A-36-0099-M1	14,621.00	K12A-36-0099-M4	15,799.00	K12A-36-0099-M7	16,141.00
61-3/8	K12A-36-0101-M1	16,106.00	K12A-36-0101-M4	17,284.00	K12A-36-0101-M7	17,626.00
69-7/8	K12A-36-0103-M1	17,477.00	K12A-36-0103-M4	18,655.00	K12A-36-0103-M7	18,997.00
78-7/8	K12A-36-0105-M1	18,894.00	K12A-36-0105-M4	20,072.00	K12A-36-0105-M7	20,414.00

B Dim	14" FLANGE, 45 ELEMENTS					
32	K14A-45-0096-M1	13,981.00	K14A-45-0096-M4	15,283.00	K14A-45-0096-M7	15,661.00
32	K14A-45-0097-M1	13,981.00	K14A-45-0097-M4	15,283.00	K14A-45-0097-M7	15,661.00
43-11/16	K14A-45-0099-M1	16,197.00	K14A-45-0099-M4	17,499.00	K14A-45-0099-M7	17,877.00
51-7/8	K14A-45-0101-M1	17,934.00	K14A-45-0101-M4	19,236.00	K14A-45-0101-M7	19,614.00
61-3/8	K14A-45-0103-M1	19,784.00	K14A-45-0103-M4	21,086.00	K14A-45-0103-M7	21,464.00
69-7/8	K14A-45-0105-M1	21,497.00	K14A-45-0105-M4	22,799.00	K14A-45-0105-M7	23,177.00
78-7/8	K14A-45-0107-M1	23,269.00	K14A-45-0107-M4	24,571.00	K14A-45-0107-M7	24,949.00

INCOLOY ELEMENTS, 22 WATTS/SQ. IN. CORROSIVE SOLUTION HEATING

B Dim	3" FLANGE, 3 ELEMENTS			
18-1/16	K3I-3-0053-M1	1,607.00	K3I-3-0053-M7	1,811.00
18-1/16	K3I-3-0054-M1	1,607.00	K3I-3-0054-M7	1,811.00
18-1/16	K3I-3-0055-M1	1,607.00	K3I-3-0055-M7	1,811.00
18-1/16	K3I-3-0056-M1	1,607.00	K3I-3-0056-M7	1,811.00
25-3/16	K3I-3-0057-M1	1,713.00	K3I-3-0057-M7	1,917.00
25-3/16	K3I-3-0058-M1	1,713.00	K3I-3-0058-M7	1,917.00
25-3/16	K3I-3-0059-M1	1,713.00	K3I-3-0059-M7	1,917.00
25-3/16	K3I-3-0060-M1	1,713.00	K3I-3-0060-M7	1,917.00
33-1/16	K3I-3-0061-M1	1,834.00	K3I-3-0061-M7	2,038.00
33-1/16	K3I-3-0062-M1	1,834.00	K3I-3-0062-M7	2,038.00
33-1/16	K3I-3-0063-M1	1,834.00	K3I-3-0063-M7	2,038.00
33-1/16	K3I-3-0064-M1	1,834.00	K3I-3-0064-M7	2,038.00
48-1/16	K3I-3-0065-M1	2,061.00	K3I-3-0065-M7	2,265.00
48-1/16	K3I-3-0066-M1	2,061.00	K3I-3-0066-M7	2,265.00

B Dim	4" FLANGE, 6 ELEMENTS			
18	K4I-6-0150-M1	2,393.00	K4I-6-0150-M7	2,772.00
18	K4I-6-0151-M1	2,393.00	K4I-6-0151-M7	2,772.00
18	K4I-6-0152-M1	2,393.00	K4I-6-0152-M7	2,772.00
18	K4I-6-0153-M1	2,393.00	K4I-6-0153-M7	2,772.00
25-1/2	K4I-6-0154-M1	2,608.00	K4I-6-0154-M7	2,987.00
25-1/2	K4I-6-0155-M1	2,608.00	K4I-6-0155-M7	2,987.00
25-1/2	K4I-6-0156-M1	2,608.00	K4I-6-0156-M7	2,987.00
25-1/2	K4I-6-0157-M1	2,608.00	K4I-6-0157-M7	2,987.00
33	K4I-6-0158-M1	2,847.00	K4I-6-0158-M7	3,226.00
33	K4I-6-0159-M1	2,847.00	K4I-6-0159-M7	3,226.00
40-1/2	K4I-6-0160-M1	3,062.00	K4I-6-0160-M7	3,441.00
40-1/2	K4I-6-0161-M1	3,062.00	K4I-6-0161-M7	3,441.00
48	K4I-6-0162-M1	3,301.00	K4I-6-0162-M7	3,680.00
48	K4I-6-0163-M1	3,301.00	K4I-6-0163-M7	3,680.00
64-1/2	K4I-6-0164-M1	3,790.00	K4I-6-0164-M7	4,169.00
64-1/2	K4I-6-0165-M1	3,790.00	K4I-6-0165-M7	4,169.00
77	K4I-6-0166-M1	4,181.00	K4I-6-0166-M7	4,560.00
77	K4I-6-0167-M1	4,181.00	K4I-6-0167-M7	4,560.00

B Dim	5" FLANGE, 6 ELEMENTS			
25-3/16	K5I-6-0046-M1	2,723.00	K5I-6-0046-M7	3184.00
25-3/16	K5I-6-0047-M1	2,723.00	K5I-6-0047-M7	3184.00
33-1/16	K5I-6-0048-M1	2,964.00	K5I-6-0048-M7	3425.00
33-1/16	K5I-6-0049-M1	2,964.00	K5I-6-0049-M7	3425.00
40-9/16	K5I-6-0050-M1	3,202.00	K5I-6-0050-M7	3663.00
40-9/16	K5I-6-0051-M1	3,202.00	K5I-6-0051-M7	3663.00
52-1/16	K5I-6-0052-M1	3,541.00	K5I-6-0052-M7	4002.00
52-1/16	K5I-6-0053-M1	3,541.00	K5I-6-0053-M7	4002.00
65-11/16	K5I-6-0054-M1	3,934.00	K5I-6-0054-M7	4395.00
65-11/16	K5I-6-0055-M1	3,934.00	K5I-6-0055-M7	4395.00
78-1/16	K5I-6-0056-M1	4,326.00	K5I-6-0056-M7	4787.00
78-1/16	K5I-6-0057-M1	4,326.00	K5I-6-0057-M7	4787.00

B Dim	6" FLANGE, 12 ELEMENTS					
25-1/8	K6I-12-0020-M1	4,282.00	K6I-12-0020-M4	4,964.00	K6I-12-0020-M7	5,162.00
25-1/8	K6I-12-0021-M1	4,282.00	K6I-12-0021-M4	4,964.00	K6I-12-0021-M7	5,162.00
33	K6I-12-0022-M1	4,761.00	K6I-12-0022-M4	5,443.00	K6I-12-0022-M7	5,641.00
33	K6I-12-0023-M1	4,761.00	K6I-12-0023-M4	5,443.00	K6I-12-0023-M7	5,641.00
40-1/2	K6I-12-0024-M1	5,190.00	K6I-12-0024-M4	5,872.00	K6I-12-0024-M7	6,070.00
40-1/2	K6I-12-0025-M1	5,190.00	K6I-12-0025-M4	5,872.00	K6I-12-0025-M7	6,070.00
48	K6I-12-0026-M1	5,669.00	K6I-12-0026-M4	6,351.00	K6I-12-0026-M7	6,549.00
48	K6I-12-0027-M1	5,669.00	K6I-12-0027-M4	6,351.00	K6I-12-0027-M7	6,549.00

B Dim	8" FLANGE, 18 ELEMENTS					
32-7/8	K8I-18-0027-M1	6,697.00	K8I-18-0027-M4	7,534.00	K8I-18-0027-M7	7,777.00
32-7/8	K8I-18-0028-M1	6,697.00	K8I-18-0028-M4	7,534.00	K8I-18-0028-M7	7,777.00
43-11/16	K8I-18-0029-M1	7,613.00	K8I-18-0029-M4	8,450.00	K8I-18-0029-M7	8,693.00
43-11/16	K8I-18-0030-M1	7,613.00	K8I-18-0030-M4	8,450.00	K8I-18-0030-M7	8,693.00
51-7/8	K8I-18-0031-M1	8,411.00	K8I-18-0031-M4	9,248.00	K8I-18-0031-M7	9,491.00
51-7/8	K8I-18-0032-M1	8,411.00	K8I-18-0032-M4	9,248.00	K8I-18-0032-M7	9,491.00

B Dim.	10" FLANGE, 27 ELEMENTS					
32	K10I-27-0041-M1	9,401.00	K10I-27-0041-M4	10,393.00	K10A-27-0041-M7	10,681.00
32	K10I-27-0042-M1	9,401.00	K10I-27-0042-M4	10,393.00	K10I-27-0042-M7	10,681.00
43-11/16	K10I-27-0043-M1	10,908.00	K10I-27-0043-M4	11,900.00	K10I-27-0043-M7	12,188.00
43-11/16	K10I-27-0044-M1	10,908.00	K10I-27-0044-M4	11,900.00	K10I-27-0044-M7	12,188.00
51-7/8	K10I-27-0045-M1	11,857.00	K10I-27-0045-M4	12,849.00	K10I-27-0045-M7	13,137.00
51-7/8	K10I-27-0046-M1	11,857.00	K10I-27-0046-M4	12,849.00	K10I-27-0046-M7	13,137.00
61-3/8	K10I-27-0048-M1	13,386.00	K10I-27-0048-M4	14,378.00	K10I-27-0048-M7	14,666.00
69-7/8	K10I-27-0050-M1	14,567.00	K10I-27-0050-M4	15,559.00	K10I-27-0050-M7	15,847.00
78-7/8	K10I-27-0052-M1	15,788.00	K10I-27-0052-M4	16,780.00	K10I-27-0052-M7	17,068.00

B DIM.	12" FLANGE, 36 ELEMENTS					
32	K12I-36-0041-M1	12,216.00	K12I-36-0041-M4	13,394.00	K12I-36-0041-M7	13,736.00
32	K12I-36-0042-M1	12,216.00	K12I-36-0042-M4	13,394.00	K12I-36-0042-M7	13,736.00
43-11/16	K12I-36-0044-M1	14,240.00	K12I-36-0044-M4	15,418.00	K12I-36-0044-M7	15,760.00
51-7/8	K12I-36-0046-M1	15,835.00	K12I-36-0046-M4	17,013.00	K12I-36-0046-M7	17,355.00
61-3/8	K12I-36-0048-M1	17,537.00	K12I-36-0048-M4	18,715.00	K12I-36-0048-M7	19,057.00
69-7/8	K12I-36-0050-M1	19,112.00	K12I-36-0050-M4	20,290.00	K12I-36-0050-M7	20,632.00
78-7/8	K12I-36-0052-M1	20,740.00	K12I-36-0052-M4	21,918.00	K12I-36-0052-M7	22,260.00

B DIM.	14" FLANGE, 45 ELEMENTS					
32	K14I-46-0038-M1	14,917.00	K14I-45-0038-M4	16,219.00	K14I-45-0038-M7	16,597.00
32	K14I-45-0039-M1	14,917.00	K14I-45-0039-M4	16,219.00	K14I-45-0039-M7	16,597.00
43-11/16	K14I-45-0041-M1	17,456.00	K14I-45-0041-M4	18,758.00	K14I-45-0041-M7	19,136.00
51-7/8	K14I-45-0043-M1	19,451.00	K14I-45-0043-M4	20,753.00	K14I-45-0043-M7	21,131.00
61-3/8	K14I-45-0045-M1	21,573.00	K14I-45-0045-M4	22,875.00	K14I-45-0045-M7	23,253.00
69-7/8	K14I-45-0047-M1	23,541.00	K14I-45-0047-M4	24,843.00	K14I-45-0047-M7	25,221.00
78-7/8	K14I-45-0049-M1	25,576.00	K14I-45-0049-M4	26,878.00	K14I-45-0049-M7	27,256.00

**INCOLOY ELEMENTS, 15 WATTS/SQ. IN. STAINLESS STEEL FLANGE
SEVERE CORROSIVE SOLUTION HEATING**

B Dim	3" FLANGE, 3 ELEMENTS			
18-1/16	K3IA-3-0438-M1	1,945.00	K3IA-3-0438-M7	2,149.00
18-1/16	K3IA-3-0439-M1	1,945.00	K3IA-3-0439-M7	2,149.00
18-1/16	K3IA-3-0440-M1	1,945.00	K3IA-3-0440-M7	2,149.00
18-1/16	K3IA-3-0451-M1	1,945.00	K3IA-3-0441-M7	2,149.00
23-5/16	K3IA-3-0442-M1	2,022.00	K3IA-3-0442-M7	2,226.00
23-5/16	K3IA-3-0443-M1	2,022.00	K3IA-3-0443-M7	2,226.00
23-5/16	K3IA-3-0444-M1	2,022.00	K3IA-3-0444-M7	2,226.00
23-5/16	K3IA-3-0445-M1	2,022.00	K3IA-3-0445-M7	2,226.00
33-1/16	K3IA-3-0446-M1	2,167.00	K3IA-3-0446-M7	2,371.00
33-1/16	K3IA-3-0447-M1	2,167.00	K3IA-3-0447-M7	2,371.00
33-1/16	K3IA-3-0448-M1	2,167.00	K3IA-3-0448-M7	2,371.00
33-1/16	K3IA-3-0449-M1	2,167.00	K3IA-3-0449-M7	2,371.00
48-1/16	K3IA-3-0450-M1	2,390.00	K3IA-3-0450-M7	2,594.00
48-1/16	K3IA-3-0451-M1	2,390.00	K3IA-3-0451-M7	2,594.00

B Dim	4" FLANGE, 6 ELEMENTS			
18	K4IA-6-0168-M1	2,934.00	K4IA-6-0168-M7	3,313.00
18	K4IA-6-0169-M1	2,934.00	K4IA-6-0169-M7	3,313.00
18	K4IA-6-0170-M1	2,934.00	K4IA-6-0170-M7	3,313.00
18	K4IA-6-0171-M1	2,934.00	K4IA-6-0171-M7	3,313.00
25-1/2	K4IA-6-0172-M1	3,148.00	K4IA-6-0172-M7	3,527.00
25-1/2	K4IA-6-0173-M1	3,148.00	K4IA-6-0173-M7	3,527.00
25-1/2	K4IA-6-0174-M1	3,148.00	K4IA-6-0174-M7	3,527.00
25-1/2	K4IA-6-0175-M1	3,148.00	K4IA-6-0175-M7	3,527.00
33	K4IA-6-0176-M1	3,384.00	K4IA-6-0176-M7	3,763.00
33	K4IA-6-0177-M1	3,384.00	K4IA-6-0177-M7	3,763.00
40-1/2	K4IA-6-0178-M1	3,594.00	K4IA-6-0178-M7	3,973.00
40-1/2	K4IA-6-0179-M1	3,594.00	K4IA-6-0179-M7	3,973.00
48	K4IA-6-0180-M1	3,830.00	K4IA-6-0180-M7	4,209.00
48	K4IA-6-0181-M1	3,830.00	K4IA-6-0181-M7	4,209.00

B Dim	5" FLANGE, 6 ELEMENTS			
25-3/16	K5IA-6-0387-M1	3,482.00	K5IA-6-0387-M7	3,943.00
25-3/16	K5IA-6-0388-M1	3,482.00	K5IA-6-0388-M7	3,943.00
33-1/16	K5IA-6-0389-M1	3,719.00	K5IA-6-0389-M7	4,180.00
33-1/16	K5IA-6-0390-M1	3,719.00	K5IA-6-0390-M7	4,180.00
40-9/16	K5IA-6-0391-M1	3,952.00	K5IA-6-0391-M7	4,413.00
40-9/16	K5IA-6-0392-M1	3,952.00	K5IA-6-0392-M7	4,413.00
52-1/16	K5IA-6-0393-M1	4,285.00	K5IA-6-0393-M7	4,746.00
52-1/16	K5IA-6-0394-M1	4,285.00	K5IA-6-0394-M7	4,746.00
65-11/16	K5IA-6-0395-M1	4,672.00	K5IA-6-0395-M7	5,133.00
65-11/16	K5IA-6-0396-M1	4,672.00	K5IA-6-0396-M7	5,133.00
78-1/16	K5IA-6-0397-M1	5,056.00	K5IA-6-0397-M7	5,517.00
78-1/16	K5IA-6-0398-M1	5,056.00	K5IA-6-0398-M7	5,517.00

B Dim	6" FLANGE, 12 ELEMENTS					
25-1/8	K6IA-12-0275-M1	5,210.00	K6IA-12-0275-M4	5,892.00	K6IA-12-0275-M7	6,090.00
25-1/8	K6IA-12-0276-M1	5,210.00	K6IA-12-0276-M4	5,892.00	K6IA-12-0276-M7	6,090.00
33	K6IA-12-0277-M1	5,680.00	K6IA-12-0277-M4	6,362.00	K6IA-12-0277-M7	6,560.00
33	K6IA-12-0278-M1	5,680.00	K6IA-12-0278-M4	6,362.00	K6IA-12-0278-M7	6,560.00
40-1/2	K6IA-12-0279-M1	6,101.00	K6IA-12-0279-M4	6,783.00	K6IA-12-0279-M7	6,981.00
40-1/2	K6IA-12-0280-M1	6,101.00	K6IA-12-0280-M4	6,783.00	K6IA-12-0280-M7	6,981.00
48	K6IA-12-0281-M1	6,572.00	K6IA-12-0281-M4	7,254.00	K6IA-12-0281-M7	7,452.00
48	K6IA-12-0282-M1	6,572.00	K6IA-12-0282-M4	7,254.00	K6IA-12-0282-M7	7,452.00

B Dim	8" FLANGE, 18 ELEMENTS					
32-7/8	K8IA-18-0222-M1	8,132.00	K8IA-18-0222-M4	8,969.00	K8IA-18-0222-M7	9,212.00
32-7/8	K8IA-18-0223-M1	8,132.00	K8IA-18-0223-M4	8,969.00	K8IA-18-0223-M7	9,212.00
43-11/16	K8IA-18-0224-M1	9,036.00	K8IA-18-0224-M4	9,873.00	K8IA-18-0224-M7	10,116.00
43-11/16	K8IA-18-0225-M1	9,036.00	K8IA-18-0225-M4	9,873.00	K8IA-18-0225-M7	10,116.00
51-7/8	K8IA-18-0226-M1	9,821.00	K8IA-18-0226-M4	10,658.00	K8IA-18-0226-M7	10,901.00
51-7/8	K8IA-18-0227-M1	9,821.00	K8IA-18-0227-M4	10,658.00	K8IA-18-0227-M7	10,901.00

B Dim		10" FLANGE, 27 ELEMENTS				
32	K10IA-27-0175-M1	11,924.00	K10IA-27-0175-M4	12,916.00	K10IA-27-0175-M7	13,204.00
32	K10IA-27-0176-M1	11,924.00	K10IA-27-0176-M4	12,916.00	K10IA-27-0176-M7	13,204.00
43-11/16	K10IA-27-0177-M1	13,407.00	K10IA-27-0177-M4	14,399.00	K10IA-27-0177-M7	14,687.00
43-11/16	K10IA-27-0178-M1	13,407.00	K10IA-27-0178-M4	14,399.00	K10IA-27-0178-M7	14,687.00
51-7/8	K10IA-27-0179-M1	14,583.00	K10IA-27-0179-M4	15,575.00	K10IA-27-0179-M7	15,863.00
51-7/8	K10IA-27-0180-M1	14,583.00	K10IA-27-0180-M4	15,575.00	K10IA-27-0180-M7	15,863.00
61-3/8	K10IA-27-0181-M1	15,840.00	K10IA-27-0181-M4	16,832.00	K10IA-27-0181-M7	17,120.00
61-3/8	K10IA-27-0182-M1	15,840.00	K10IA-27-0182-M4	16,832.00	K10IA-27-0182-M7	17,120.00
69-7/8	K10IA-27-0183-M1	16,992.00	K10IA-27-0183-M4	17,984.00	K10IA-27-0183-M7	18,272.00
69-7/8	K10IA-27-0184-M1	16,992.00	K10IA-27-0184-M4	17,984.00	K10IA-27-0184-M7	18,272.00
78-7/8	K10IA-27-0186-M1	18,200.00	K10IA-27-0186-M4	19,192.00	K10IA-27-0186-M7	19,480.00

B Dim		12" FLANGE, 36 ELEMENTS				
32	K12IA-36-0146-M1	15,949.00	K12IA-36-0146-M4	17,127.00	K12IA-36-0146-M7	17,469.00
32	K12IA-36-0147-M1	15,949.00	K12IA-36-0147-M4	17,127.00	K12IA-36-0147-M7	17,469.00
43-11/16	K12IA-36-0148-M1	17,935.00	K12IA-36-0148-M4	19,113.00	K12IA-36-0148-M7	19,455.00
43-11/16	K12IA-36-0149-M1	17,935.00	K12IA-36-0149-M4	19,113.00	K12IA-36-0149-M7	19,455.00
51-7/8	K12IA-36-0151-M1	19,502.00	K12IA-36-0151-M4	20,680.00	K12IA-36-0151-M7	21,022.00
51-7/8	K12IA-36-0152-M1	19,502.00	K12IA-36-0152-M4	20,680.00	K12IA-36-0152-M7	21,022.00
61-3/8	K12IA-36-0153-M1	21,171.00	K12IA-36-0153-M4	22,349.00	K12IA-36-0153-M7	22,691.00
69-7/8	K12IA-36-0155-M1	22,721.00	K12IA-36-0155-M4	23,899.00	K12IA-36-0155-M7	24,241.00
78-7/8	K12IA-36-0157-M1	24,324.00	K12IA-36-0157-M4	25,502.00	K12IA-36-0157-M7	25,844.00

B Dim		14" FLANGE, 45 ELEMENTS				
32	K14IA-45-0152-M1	19,447.00	K14IA-45-0152-M4	20,749.00	K14IA-45-0152-M7	21,127.00
32	K14IA-45-0153-M1	19,447.00	K14IA-45-0153-M4	20,749.00	K14IA-45-0153-M7	21,127.00
43-11/16	K14IA-45-0154-M1	21,929.00	K14IA-45-0154-M4	23,231.00	K14IA-45-0154-M7	23,609.00
43-11/16	K14IA-45-0155-M1	21,929.00	K14IA-45-0155-M4	23,231.00	K14IA-45-0155-M7	23,609.00
51-7/8	K14IA-45-0157-M1	23,903.00	K14IA-45-0157-M4	25,205.00	K14IA-45-0157-M7	25,583.00
61-3/8	K14IA-45-0159-M1	25,984.00	K14IA-45-0159-M4	27,286.00	K14IA-45-0159-M7	27,664.00
69-7/8	K14IA-45-0161-M1	27,911.00	K14IA-45-0161-M4	29,213.00	K14IA-45-0161-M7	29,591.00
78-7/8	K14IA-45-0163-M1	29,917.00	K14IA-45-0163-M4	31,219.00	K14IA-45-0163-M7	31,597.00

MIGHTY-BLADE FLANGED IMMERSION HEATERS

B Dim	4" STAINLESS STEEL FLANGE -6 INCOLOY ELEMENTS-90 WATTS/SQ.IN.				
16-1/2	H4A-6-0255-M1	3,213.00	H4A-6-0255-M7	3,728.00	
16-1/2	H4A-6-0256-M1	3,213.00	H4A-6-0256-M7	3,728.00	
19-1/2	H4A-6-0257-M1	3,429.00	H4A-6-0257-M7	3,943.00	
19-1/2	H4A-6-0258-M1	3,429.00	H4A-6-0258-M7	3,943.00	
24-1/2	H4A-6-0259-M1	3,790.00	H4A-6-0259-M7	4,304.00	
30	H4A-6-0260-M1	4,185.00	H4A-6-0260-M7	4,698.00	
35	H4A-6-0261-M1	4,388.00	H4A-6-0261-M7	4,902.00	

B Dim	6" STAINLESS STEEL FLANGE -15 INCOLOY ELEMENTS-90 WATTS/SQ.IN.					
16-1/2	H6A-15-0456-M1	4,520.00	H6A-15-0456-M5	5,074.00	H6A-15-0456-M6	5,405.00
16-1/2	H6A-15-0457-M1	4,520.00	H6A-15-0457-M5	5,074.00	H6A-15-0457-M6	5,405.00
19-1/2	H6A-15-0458-M1	5,424.00	H6A-15-0458-M5	5,974.00	H6A-15-0458-M6	6,310.00
19-1/2	H6A-15-0459-M1	5,424.00	H6A-15-0459-M5	5,974.00	H6A-15-0459-M6	6,310.00
24-1/2	H6A-15-0460-M1	6,832.00	H6A-15-0460-M5	7,380.00	H6A-15-0460-M6	7,715.00
30	H6A-15-0461-M1	8,438.00	H6A-15-0461-M5	8,993.00	H6A-15-0461-M6	9,323.00
35	H6A-15-0462-M1	9,896.00	H6A-15-0462-M5	10,449.00	H6A-15-0462-M6	10,784.00

B Dim	4" STAINLESS STEEL FLANGE -6 INCOLOY ELEMENTS-45WATTS/SQ.IN.				
13-3/8	H4A-6-0243-M1	2,602.00	H4A-6-0243-M7	3,119.00	
16	H4A-6-0244-M1	3,118.00	H4A-6-0244-M7	3,631.00	
18-3/8	H4A-6-0245-M1	3,234.00	H4A-6-0245-M7	3,747.00	
22-7/8	H4A-6-0246-M1	3,540.00	H4A-6-0246-M7	4,052.00	
22-7/8	H4A-6-0247-M1	3,540.00	H4A-6-0247-M7	4,052.00	
27-7/8	H4A-6-0248-M1	3,889.00	H4A-6-0248-M7	4,403.00	
27-7/8	H4A-6-0249-M1	3,889.00	H4A-6-0249-M7	4,403.00	
32-7/8	H4A-6-0250-M1	4,288.00	H4A-6-0250-M7	4,799.00	
32-7/8	H4A-6-0252-M1	4,288.00	H4A-6-0252-M7	4,799.00	
42-3/8	H4A-6-0253-M1	4,905.00	H4A-6-0253-M7	5,418.00	
51-7/8	H4A-6-0254-M1	5,605.00	H4A-6-0254-M7	6,120.00	

B Dim	6" STAINLESS STEEL FLANGE -15 INCOLOY ELEMENTS-45 WATTS/SQ.IN.					
13-3/8	H6A-15-0445-M1	4,805.00	H6A-15-0445-M5	5,358.00	H6A-15-0445-M6	5,690.00
16	H6A-15-0446-M1	4,958.00	H6A-15-0446-M5	5,508.00	H6A-15-0446-M6	5,841.00
18-3/8	H6A-15-0447-M1	5,110.00	H6A-15-0447-M5	5,662.00	H6A-15-0447-M6	5,996.00
22-7/8	H6A-15-0448-M1	6,377.00	H6A-15-0448-M5	6,930.00	H6A-15-0448-M6	7,265.00
22-7/8	H6A-15-0449-M1	6,377.00	H6A-15-0449-M5	6,930.00	H6A-15-0449-M6	7,265.00
27-7/8	H6A-15-0450-M1	7,840.00	H6A-15-0450-M5	8,390.00	H6A-15-0450-M6	8,726.00
27-7/8	H6A-15-0451-M1	7,840.00	H6A-15-0451-M5	8,390.00	H6A-15-0451-M6	8,726.00
32-7/8	H6A-15-0452-M1	9,299.00	H6A-15-0452-M5	9,849.00	H6A-15-0452-M6	10,183.00
32-7/8	H6A-15-0453-M1	9,299.00	H6A-15-0453-M5	9,849.00	H6A-15-0453-M6	10,183.00
42-3/8	H6A-15-0454-M1	11,101.00	H6A-15-0454-M5	11,652.00	H6A-15-0454-M6	11,983.00
51-7/8	H6A-15-0455-M1	12,213.00	H6A-15-0455-M5	12,767.00	H6A-15-0455-M6	13,102.00

B Dim	4" STAINLESS STEEL FLANGE -6 INCOLOY ELEMENTS-30 WATTS/SQ.IN.				
24-1/2	H4A-6-0234-M1	3,790.00	H4A-6-0234-M7	4,304.00	
30	H4A-6-0235-M1	4,185.00	H4A-6-0235-M7	4,698.00	
30	H4A-6-0236-M1	4,185.00	H4A-6-0236-M7	4,698.00	
35	H4A-6-0237-M1	4,388.00	H4A-6-0237-M7	4,902.00	
35	H4A-6-0238-M1	4,388.00	H4A-6-0238-M7	4,902.00	
45-1/2	H4A-6-0239-M1	5,264.00	H4A-6-0239-M7	5,778.00	
45-1/2	H4A-6-0240-M1	5,264.00	H4A-6-0240-M7	5,778.00	
56	H4A-6-0241-M1	6,054.00	H4A-6-0241-M7	6,567.00	

B Dim	6" STAINLESS STEEL FLANGE -15 INCOLOY ELEMENTS-30 WATTS/SQ.IN.					
16-1/2	H6A-15-0432-M1	4,521.00	H6A-15-0432-M5	5,075.00	H6A-15-0432-M6	5,488.00
16-1/2	H6A-15-0433-M1	4,521.00	H6A-15-0433-M5	5,075.00	H6A-15-0433-M6	5,488.00
19-1/2	H6A-15-0434-M1	5,424.00	H6A-15-0434-M5	5,974.00	H6A-15-0434-M6	6,310.00
19-1/2	H6A-15-0435-M1	5,424.00	H6A-15-0435-M5	5,974.00	H6A-15-0435-M6	6,310.00
24-1/2	H6A-15-0436-M1	6,832.00	H6A-15-0436-M5	7,380.00	H6A-15-0436-M6	7,715.00
24-1/2	H6A-15-0437-M1	6,832.00	H6A-15-0437-M5	7,380.00	H6A-15-0437-M6	7,715.00
30	H6A-15-0438-M1	8,438.00	H6A-15-0438-M5	8,993.00	H6A-15-0438-M6	9,323.00
30	H6A-15-0439-M1	8,438.00	H6A-15-0439-M5	8,993.00	H6A-15-0439-M6	9,323.00
35	H6A-15-0440-M1	9,896.00	H6A-15-0440-M5	10,449.00	H6A-15-0440-M6	10,784.00
35	H6A-15-0441-M1	9,896.00	H6A-15-0441-M5	10,449.00	H6A-15-0441-M6	10,784.00
45-1/2	H6A-15-0442-M1	11,918.00	H6A-15-0442-M5	12,470.00	H6A-15-0442-M6	12,804.00
45-1/2	H6A-15-0443-M1	11,918.00	H6A-15-0443-M5	12,740.00	H6A-15-0443-M6	12,804.00
56	H6A-15-0444-M1	13,185.00	H6A-15-0444-M5	13,734.00	H6A-15-0444-M6	14,069.00

B Dim	4" STAINLESS STEEL FLANGE -6 INCOLOY ELEMENTS-23 WATTS/SQ.IN.				
16-1/2	H4A-6-0221-M1	3,213.00	H4A-6-0221-M7	3,728.00	
19-1/2	H4A-6-0222-M1	3,429.00	H4A-6-0222-M7	3,943.00	
24-1/2	H4A-6-0223-M1	3,790.00	H4A-6-0223-M7	4,304.00	
24-1/2	H4A-6-0224-M1	3,790.00	H4A-6-0224-M7	4,304.00	
30	H4A-6-0225-M1	4,185.00	H4A-6-0225-M7	4,698.00	
30	H4A-6-0226-M1	4,185.00	H4A-6-0226-M7	4,698.00	
35	H4A-6-0228-M1	4,388.00	H4A-6-0228-M7	4,902.00	
35	H4A-6-0229-M1	4,388.00	H4A-6-0229-M7	4,902.00	
45-1/2	H4A-6-0230-M1	5,264.00	H4A-6-0230-M7	5,778.00	
45-1/2	H4A-6-0231-M1	5,264.00	H4A-6-0231-M7	5,778.00	
56	H4A-6-0232-M1	6,054.00	H4A-6-0232-M7	6,567.00	
56	H4A-6-0233-M1	6,054.00	H4A-6-0233-M7	6,567.00	

B Dim	6" STAINLESS STEEL FLANGE -15 INCOLOY ELEMENTS-23 WATTS/SQ.IN.					
16-1/2	H6A-15-0420-M1	4,520.00	H6A-15-0420-M5	5,074.00	H6A-15-0420-M6	5,405.00
19-1/2	H6A-15-0421-M1	5,424.00	H6A-15-0421-M5	5,974.00	H6A-15-0421-M6	6,310.00
24-1/2	H6A-15-0422-M1	6,832.00	H6A-15-0422-M5	7,380.00	H6A-15-0422-M6	7,715.00
24-1/2	H6A-15-0423-M1	6,832.00	H6A-15-0423-M5	7,380.00	H6A-15-0423-M6	7,715.00
30	H6A-15-0424-M1	8,438.00	H6A-15-0424-M5	8,993.00	H6A-15-0424-M6	9,323.00
30	H6A-15-0425-M1	8,438.00	H6A-15-0425-M5	8,993.00	H6A-15-0425-M6	9,323.00
35	H6A-15-0426-M1	9,896.00	H6A-15-0426-M5	10,449.00	H6A-15-0426-M6	10,784.00
36	H6A-15-0427-M1	9,896.00	H6A-15-0427-M5	10,449.00	H6A-15-0427-M6	10,784.00
45-1/2	H6A-15-0428-M1	11,918.00	H6A-15-0428-M5	12,470.00	H6A-15-0428-M6	12,804.00
45-1/2	H6A-15-0429-M1	11,918.00	H6A-15-0429-M5	12,470.00	H6A-15-0429-M6	12,804.00
56	H6A-15-0430-M1	13,185.00	H6A-15-0430-M5	13,734.00	H6A-15-0430-M6	14,069.00
56	H6A-15-0431-M1	13,185.00	H6A-15-0431-M5	13,734.00	H6A-15-0431-M6	14,069.00

B Dim	4" STAINLESS STEEL FLANGE -6 INCOLOY ELEMENTS-15 WATTS/SQ.IN.			
13-3/8	H4A-6-0206-M1	2,602.00	H4A-6-0206-M7	3,119.00
16	H4A-6-0208-M1	3,118.00	H4A-6-0208-M7	3,631.00
18-3/8	H4A-6-0209-M1	3,234.00	H4A-6-0209-M7	3,747.00
22-7/8	H4A-6-0210-M1	3,540.00	H4A-6-0210-M7	4,052.00
22-7/8	H4A-6-0211-M1	3,540.00	H4A-6-0211-M7	4,052.00
27-7/8	H4A-6-0212-M1	3,889.00	H4A-6-0212-M7	4,403.00
27-7/8	H4A-6-0213-M1	3,889.00	H4A-6-0213-M7	4,403.00
32-7/8	H4A-6-0214-M1	4,288.00	H4A-6-0214-M7	4,799.00
32-7/8	H4A-6-0215-M1	4,288.00	H4A-6-0215-M7	4,799.00
42-3/8	H4A-6-0216-M1	4,905.00	H4A-6-0216-M7	5,418.00
42-3/8	H4A-6-0217-M1	4,905.00	H4A-6-0217-M7	5,418.00
51-7/8	H4A-6-0218-M1	5,605.00	H4A-6-0218-M7	6,120.00
51-7/8	H4A-6-0219-M1	5,605.00	H4A-6-0219-M7	6,120.00

B Dim	6" STAINLESS STEEL FLANGE -15 INCOLOY ELEMENTS-15 WATTS/SQ.IN.					
13-3/8	H6A-15-0406-M1	4,805.00	H6A-15-0406-M5	5,358.00	H6A-15-0406-M6	5,690.00
16	H6A-15-0407-M1	4,958.00	H6A-15-0407-M5	5,508.00	H6A-15-0407-M6	5,841.00
18-3/8	H6A-15-0408-M1	5,110.00	H6A-15-0408-M5	5,662.00	H6A-15-0408-M6	5,996.00
22-7/8	H6A-15-0409-M1	6,377.00	H6A-15-0409-M5	6,930.00	H6A-15-0409-M6	7,265.00
22-7/8	H6A-15-0410-M1	6,377.00	H6A-15-0410-M5	6,930.00	H6A-15-0410-M6	7,265.00
27-7/8	H6A-15-0411-M1	7,840.00	H6A-15-0411-M5	8,390.00	H6A-15-0411-M6	9,126.00
27-7/8	H6A-15-0412-M1	7,840.00	H6A-15-0412-M5	8,390.00	H6A-15-0412-M6	9,126.00
32-7/8	H6A-15-0413-M1	9,299.00	H6A-15-0413-M5	9,849.00	H6A-15-0413-M6	10,183.00
32-7/8	H6A-15-0414-M1	9,299.00	H6A-15-0414-M5	9,849.00	H6A-15-0414-M6	10,183.00
42-3/8	H6A-15-0415-M1	11,101.00	H6A-15-0415-M5	11,652.00	H6A-15-0415-M6	11,983.00
42-3/8	H6A-15-0416-M1	11,101.00	H6A-15-0416-M5	11,652.00	H6A-15-0416-M6	11,983.00
51-7/8	H6A-15-0417-M1	12,213.00	H6A-15-0417-M5	12,767.00	H6A-15-0417-M6	13,102.00
51-7/8	H6A-15-0418-M1	12,213.00	H6A-15-0418-M5	12,767.00	H6A-15-0418-M6	13,102.00

B Dim	4" STAINLESS STEEL FLANGE -6 INCOLOY ELEMENTS-6 WATTS/SQ.IN.			
16-1/2	H4A-6-0194-M1	3,213.00	H4A-6-0194-M7	3,728.00
19-1/2	H4A-6-0195-M1	3,429.00	H4A-6-0195-M7	3,943.00
24-1/2	H4A-6-0196-M1	3,790.00	H4A-6-0196-M7	4,304.00
24-1/2	H4A-6-0197-M1	3,790.00	H4A-6-0197-M7	4,304.00
30	H4A-6-0198-M1	4,185.00	H4A-6-0198-M7	4,698.00
30	H4A-6-0199-M1	4,185.00	H4A-6-0199-M7	4,698.00
35	H4A-6-0200-M1	4,388.00	H4A-6-0200-M7	4,902.00
35	H4A-6-0201-M1	4,388.00	H4A-6-0201-M7	4,902.00
45-1/2	H4A-6-0202-M1	5,264.00	H4A-6-0202-M7	5,778.00
45-1/2	H4A-6-0203-M1	5,264.00	H4A-6-0203-M7	5,778.00
56	H4A-6-0204-M1	6,054.00	H4A-6-0204-M7	6,567.00
56	H4A-6-0205-M1	6,054.00	H4A-6-0205-M7	6,567.00

B Dim	6" STAINLESS STEEL FLANGE -15 INCOLOY ELEMENTS-6 WATTS/SQ.IN.					
16-1/2	H6A-15-0392-M1	4,520.00	H6A-15-0392-M5	5,074.00	H6A-15-0392-M6	5,405.00
19-1/2	H6A-15-0393-M1	5,424.00	H6A-15-0393-M5	5,974.00	H6A-15-0393-M6	6,310.00
24-1/2	H6A-15-0394-M1	6,832.00	H6A-15-0394-M5	7,380.00	H6A-15-0394-M6	7,715.00
24-1/2	H6A-15-0395-M1	6,832.00	H6A-15-0395-M5	7,380.00	H6A-15-0395-M6	7,715.00
30	H6A-15-0396-M1	8,438.00	H6A-15-0396-M5	8,993.00	H6A-15-0396-M6	9,323.00
30	H6A-15-0397-M1	8,438.00	H6A-15-0397-M5	8,993.00	H6A-15-0397-M6	9,323.00
35	H6A-15-0398-M1	9,896.00	H6A-15-0398-M5	10,449.00	H6A-15-0398-M6	10,784.00
35	H6A-15-0399-M1	9,896.00	H6A-15-0399-M5	10,449.00	H6A-15-0399-M6	10,784.00
45-1/2	H6A-15-0400-M1	11,918.00	H6A-15-0400-M5	12,470.00	H6A-15-0400-M6	12,804.00
45-1/2	H6A-15-0401-M1	11,918.00	H6A-15-0401-M5	12,470.00	H6A-15-0401-M6	12,804.00
56	H6A-15-0402-M1	13,185.00	H6A-15-0402-M5	13,734.00	H6A-15-0402-M6	14,069.00
56	H6A-15-0403-M1	13,185.00	H6A-15-0403-M5	13,734.00	H6A-15-0403-M6	14,069.00

FLANGED IMMERSION HEATER OPTIONS

TERMINAL ENCLOSURES

MOISTURE RESISTANT (M4)

3"	\$204.00
4"	\$379.00
5"	\$461.00
6"	\$682.00
8"	\$837.00
10"	\$992.00
12"	\$1,178.00
14"	\$1,302.00

EXPLOSION RESISTANT (M7)

3"	\$204.00
4"	\$379.00
5"	\$461.00
6"	\$880.00
8"	\$1,080.00
10"	\$1,280.00
12"	\$1,520.00
14"	\$1,680.00

FLANGES

300 LB. STEEL

3"	\$113.00
4"	\$183.00
5"	\$256.00
6"	\$316.00
8"	\$490.00
10"	\$859.00
12"	\$1,267.00
14"	\$1,538.00

150 LB. TYPE 304 SS

3"	\$342.00
4"	\$553.00
5"	\$771.00
6"	\$952.00
8"	\$1,476.00
10"	\$2,589.00
12"	\$3,819.00
14"	\$4,638.00

300 LB. TYPE 304 SS

3"	\$510.00
4"	\$825.00
5"	\$1,151.00
6"	\$1,421.00
8"	\$2,203.00
10"	\$3,865.00
12"	\$5,700.00
14"	\$6,922.00

ADD 20% FOR TYPE 316 STN. STL.

FLEXITALLIC GASKET

	150 LB.	300 LB.
3"	\$33.00	\$43.00
4"	\$44.00	\$58.00
5"	\$56.00	\$72.00
6"	\$67.00	\$87.00
8"	\$89.00	\$115.00
10"	\$111.00	\$144.00
12"	\$133.00	\$173.00
14"	\$155.00	\$202.00

THERMOSTATS IN TERMINAL ENCLOSURE

TYPE T-1 Single Pole	\$315.00
TYPE T-2 Double Pole	\$315.00

Thermocouple Welded to Sheath

.....	\$370.00
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Passivation Add \$300.00 to price

For Thermostats in special application Terminal Enclosures, add enclosure price and Thermostat price to base price.

For Stand Off Adder see Circulation Heater Section

For 316 SS Elements add 20%

Wood Crate Charge May Apply
All Other Options, Consult Ogden.

CIRCULATION HEATERS

SERIES 1

KW	CLEAN WATER		WATER BOOSTER	
1.5	CKPP15CG-0084-M1	1,404.00	CKPP15I-0060-M1	1,596.00
1.5	CKPP15CG-0085-M1	1,404.00	CKPP15I-0061-M1	1,596.00
2	CKPP15CG-0086-M1	1,419.00	CKPP15I-0062-M1	1,608.00
2	CKPP15CG-0087-M1	1,419.00	CKPP15I-0063-M1	1,608.00
2.5	CKPP15CG-0088-M1	1,485.00	CKPP15I-0064-M1	1,646.00
3	CKPP15CG-0089-M1	1,500.00	CKPP15I-0065-M1	1,646.00

SERIES 2

KW	CLEAN WATER BOOSTER		WATER BOOSTER		CORROSIVE LIQUIDS	
3	CKPP25CG-0009-M1	1,986.00	CKPP25I-0215-M1	2,061.00	CKPP25AA-0008-M1	3,484.00
3	CKPP25CG-0010-M1	1,986.00	CKPP25I-0216-M1	2,061.00	CKPP25AA-0009-M1	3,484.00
3	CKPP25CG-0011-M1	1,986.00	CKPP25I-0217-M1	2,061.00	CKPP25AA-0010-M1	3,484.00
4.5	CKPP25CG-0015-M1	2,038.00	CKPP25I-0218-M1	2,121.00	CKPP25AA-0011-M1	3,537.00
4.5	CKPP25CG-0016-M1	2,038.00	CKPP25I-0219-M1	2,121.00	CKPP25AA-0012-M1	3,537.00
4.5	CKPP25CG-0017-M1	2,038.00	CKPP25I-0220-M1	2,121.00	CKPP25AA-0013-M1	3,537.00
4.5	CKPP25CG-0018-M1	2,038.00	CKPP25I-0221-M1	2,121.00	CKPP25AA-0014-M1	3,537.00
6	CKPP25CG-0019-M1	2,444.00	CKPP25I-0222-M1	2,403.00	CKPP25AA-0015-M1	4,611.00
6	CKPP25CG-0020-M1	2,444.00	CKPP25I-0223-M1	2,403.00	CKPP25AA-0016-M1	4,611.00
6	CKPP25CG-0021-M1	2,444.00	CKPP25I-0224-M1	2,403.00	CKPP25AA-0017-M1	4,611.00
6	CKPP25CG-0022-M1	2,444.00	CKPP25I-0225-M1	2,403.00	CKPP25AA-0018-M1	4,611.00
9	CKPP25CG-0027-M1	2,546.00	CKPP25I-0230-M1	2,514.00	CKPP25AA-0023-M1	4,709.00
9	CKPP25CG-0028-M1	2,546.00	CKPP25I-0231-M1	2,514.00	CKPP25AA-0024-M1	4,709.00
9	CKPP25CG-0029-M1	2,546.00	CKPP25I-0232-M1	2,514.00	CKPP25AA-0025-M1	4,709.00
9	CKPP25CG-0030-M1	2,546.00	CKPP25I-0233-M1	2,514.00	CKPP25AA-0026-M1	4,709.00
12	CKPP25CG-0146-M1	3,294.00	CKPP25I-0235-M1	3,166.00	CKPP25AA-0028-M1	6,713.00
12	CKPP25CG-0148-M1	3,294.00	CKPP25I-0237-M1	3,166.00	CKPP25AA-0030-M1	6,713.00
15	CKPP25CG-0150-M1	3,377.00	CKPP25I-0239-M1	3,186.00	CKPP25AA-0032-M1	6,732.00
15	CKPP25CG-0152-M1	3,377.00	CKPP25I-0241-M1	3,186.00	CKPP25AA-0034-M1	6,732.00
18	CKPP25CG-0154-M1	3,458.00	CKPP25I-0243-M1	3,199.00	CKPP25AA-0036-M1	6,745.00
18	CKPP25CG-0156-M1	3,458.00	CKPP25I-0245-M1	3,199.00	CKPP25AA-0038-M1	6,745.00

SERIES 3

KW	CLEAN WATER		PROCESS WATER		SOLUTION WATER		CORROSIVE LIQUIDS	
6	CK3CG-0002-M1	2,697.00	CK3A-0289-M1	2,509.00	CK3I-0309-M1	2,544.00	CK3IA-0586-M1	5,296.00
6	CK3CG-0004-M1	2,697.00	CK3A-0291-M1	2,509.00	CK3I-0311-M1	2,544.00	CK3IA-0570-M1	5,296.00
9	CK3CG-0006-M1	2,801.00	CK3A-0293-M1	2,614.00	CK3I-0313-M1	2,663.00	CK3IA-0572-M1	5,415.00
9	CK3CG-0008-M1	2,801.00	CK3A-0295-M1	2,614.00	CK3I-0315-M1	2,663.00	CK3IA-0574-M1	5,415.00
12	CK3CG-0010-M1	3,246.00	CK3A-0297-M1	2,902.00	CK3I-0317-M1	2,966.00	CK3IA-0576-M1	6,512.00
12	CK3CG-0012-M1	3,246.00	CK3A-0299-M1	2,902.00	CK3I-0319-M1	2,966.00	CK3IA-0578-M1	6,512.00
15	CK3CG-0014-M1	3,778.00	CK3A-0301-M1	3,236.00	CK3I-0321-M1	3,314.00	CK3IA-0580-M1	7,853.00
15	CK3CG-0016-M1	3,778.00	CK3A-0303-M1	3,236.00	CK3I-0323-M1	3,314.00	CK3IA-0582-M1	7,853.00
18	CK3CG-0018-M1	3,881.00	CK3A-0305-M1	3,340.00	CK3I-0325-M1	3,433.00	CK3IA-0584-M1	7,972.00
18	CK3CG-0020-M1	3,881.00	CK3A-0307-M1	3,340.00	CK3I-0327-M1	3,433.00	CK3IA-0586-M1	7,972.00

SERIES 5

24	CK5CG-0014-M1	5,251.00	CK5A-0264-M1	4,438.00	CK5I-0279-M1	4,566.00	CK5IA-0521-M1	10,536.00
24	CK5CG-0015-M1	5,251.00	CK5A-0265-M1	4,438.00	CK5I-0280-M1	4,566.00	CK5IA-0522-M1	10,536.00
30	CK5CG-0016-M1	5,911.00	CK5A-0266-M1	4,884.00	CK5I-0281-M1	5,040.00	CK5IA-0523-M1	12,067.00
30	CK5CG-0017-M1	5,911.00	CK5A-0267-M1	4,884.00	CK5I-0282-M1	5,040.00	CK5IA-0524-M1	12,067.00
40	CK5CG-0018-M1	6,997.00	CK5A-0368-M1	5,610.00	CK5I-0283-M1	5,811.00	CK5IA-0525-M1	14,573.00
40	CK5CG-0019-M1	6,997.00	CK5A-0269-M1	5,610.00	CK5I-0284-M1	5,811.00	CK5IA-0526-M1	14,573.00
50	CK5CG-0020-M1	8,217.00	CK5A-0270-M1	6,448.00	CK5I-0285-M1	6,701.00	CK5IA-0527-M1	17,480.00
60	CK5CG-0021-M1	9,407.00	CK5A-0271-M1	7,254.00	CK5I-0286-M1	7,557.00	CK5IA-0528-M1	20,296.00

SERIES 8

50	CK8CG-0001-M1	8,979.00	CK8A-0126-M1	7,759.00	CK8I-0140-M1	8,072.00	CK8IA-0338-M1	17,520.00
50	CK8CG-0002-M1	8,979.00	CK8A-0127-M1	7,759.00	CK8I-0141-M1	8,072.00	CK8IA-0339-M1	17,520.00
75	CK8CG-0003-M1	10,847.00	CK8A-0128-M1	9,169.00	CK8I-0142-M1	9,602.00	CK8IA-0340-M1	21,386.00
75	CK8CG-0004-M1	10,847.00	CK8A-0129-M1	9,169.00	CK8I-0143-M1	9,602.00	CK8IA-0341-M1	21,386.00
100	CK8CG-0005-M1	12,559.00	CK8A-0130-M1	10,390.00	CK8I-0144-M1	10,925.00	CK8IA-0342-M1	24,752.00
100	CK8CG-0006-M1	12,559.00	CK8A-0131-M1	10,390.00	CK8I-0145-M1	10,925.00	CK8IA-0343-M1	24,752.00
120	CK8CG-0007-M1	14,195.00	CK8A-0132-M1	11,552.00	CK8I-0146-M1	12,176.00	CK8IA-0344-M1	28,228.00
120	CK8CG-0008-M1	14,195.00	CK8A-0133-M1	11,552.00	CK8I-0147-M1	12,176.00	CK8IA-0345-M1	28,228.00
150	CK8CG-0010-M1	16,370.00	CK8A-0135-M1	13,020.00	CK8I-0149-M1	13,756.00	CK8IA-0347-M1	32,581.00
175	CK8CG-0012-M1	18,339.00	CK8A-0137-M1	14,397.00	CK8I-0151-M1	15,238.00	CK8IA-0349-M1	36,690.00
200	CK8CG-0014-M1	20,452.00	CK8A-0139-M1	15,916.00	CK8I-0153-M1	16,874.00	CK8IA-0351-M1	41,245.00

SERIES 10

145	CK10CG-0008-M1	21,687.00	CK10A-0077-M1	16,965.00	CK10I-0089-M1	17,772.00
175	CK10CG-0010-M1	24,053.00	CK10A-0079-M1	18,723.00	CK10I-0091-M1	19,676.00
210	CK10CG-0012-M1	26,591.00	CK10A-0081-M1	20,656.00	CK10I-0093-M1	21,778.00
240	CK10CG-0014-M1	28,957.00	CK10A-0083-M1	22,415.00	CK10I-0095-M1	23,682.00
280	CK10CG-0016-M1	31,667.00	CK10A-0085-M1	24,521.00	CK10I-0097-M1	25,982.00

SERIES 12

285	CK12CG-0012-M1	33,678.00	CK12A-0065-M1	26,460.00	CK12I-0077-M1	27,980.00
325	CK12CG-0014-M1	36,679.00	CK12A-0067-M1	28,723.00	CK12I-0079-M1	30,437.00
370	CK12CG-0016-M1	39,853.00	CK12A-0069-M1	31,159.00	CK12I-0081-M1	33,091.00

SERIES 14

355	CK14CG-0009-M1	38,986.00	CK14A-0067-M1	31,193.00	CK14I-0079-M1	33,088.00
405	CK14CG-0011-M1	42,491.00	CK14A-0069-M1	33,889.00	CK14I-0081-M1	36,026.00
465	CK14CG-0013-M1	46,341.00	CK14A-0071-M1	36,934.00	CK14I-0083-M1	39,361.00

SERIES 2

KW	REGULAR OIL	
3	CKPP25S-0005-M1	1,992.00
3	CKPP25S-0006-M1	1,992.00
3	CKPP25S-0007-M1	1,992.00
3	CKPP25S-0008-M1	1,992.00
4.5	CKPP25S-0013-M1	2,074.00
4.5	CKPP25S-0014-M1	2,074.00
4.5	CKPP25S-0015-M1	2,074.00
4.5	CKPP25S-0016-M1	2,074.00
6	CKPP25S-0017-M1	2,486.00
6	CKPP25S-0018-M1	2,486.00
6	CKPP25S-0019-M1	2,486.00
6	CKPP25S-0020-M1	2,486.00
7.5	CKPP25S-0021-M1	2,572.00
7.5	CKPP25S-0022-M1	2,572.00
7.5	CKPP25S-0023-M1	2,572.00
7.5	CKPP25S-0024-M1	2,572.00
9	CKPP25S-0025-M1	2,654.00
9	CKPP25S-0026-M1	2,654.00
9	CKPP25S-0027-M1	2,654.00
9	CKPP25S-0028-M1	2,654.00

SERIES 10

70	CK10S-0019-M1	15,487.00
70	CK10S-0020-M1	15,478.00
85	CK10S-0021-M1	17,063.00
85	CK10S-0022-M1	17,063.00
105	CK10S-0024-M1	18,926.00
120	CK10S-0026-M1	20,502.00
135	CK10S-0028-M1	22,079.00

SERIES 12

140	CK12S-0024-M1	24,088.00
160	CK12S-0026-M1	26,107.00
180	CK12S-0028-M1	28,126.00

SERIES 14

175	CK14S-0021-M1	28,355.00
200	CK14S-0023-M1	30,747.00
225	CK14S-0025-M1	33,139.00

SERIES 3

4.5	CK3S-0026-M1	2,224.00
4.5	CK3S-0028-M1	2,224.00
6	CK3S-0030-M1	2,498.00
6	CK3S-0032-M1	2,498.00
9	CK3S-0038-M1	2,892.00
9	CK3S-0040-M1	2,892.00

SERIES 5

12	CK5S-0026M1	3,938.00
12	CK5S-0027-M1	3,938.00
15	CK5S-0028-M1	4,341.00
15	CK5S-0029-M1	4,341.00
20	CK5S-0030-M1	5,003.00
20	CK5S-0031-M1	5,003.00
25	CK5S-0032-M1	5,771.00
25	CK5S-0033-M1	5,771.00
30	CK5S-0034-M1	6,517.00
30	CK5S-0035-M1	6,517.00

SERIES 8

30	CK8S-0015-M1	7,871.00
30	CK8S-0016-M1	7,871.00
40	CK8S-0017-M1	8,918.00
40	CK8S-0018-M1	8,918.00
50	CK8S-0019-M1	10,006.00
50	CK8S-0020-M1	10,006.00
60	CK8S-0021-M1	11,221.00
60	CK8S-0022-M1	11,221.00
70	CK8S-0023-M1	12,402.00
70	CK8S-0024-M1	12,402.00
80	CK8S-0025-M1	13,651.00
80	CK8S-0026-M1	13,651.00

SERIES 3

KW	FUEL OIL	
3	CKPP25S-0042-M1	2,068.00
3	CKPP25S-0044-M1	2,068.00
6	CKPP25S-0050-M1	2,641.00
6	CKPP25S-0052-M1	2,641.00

SERIES 5

8	CK5S-0036-M1	3,921.00
8	CK5S-0037-M1	3,921.00
10	CK5S-0038-M1	4,320.00
10	CK5S-0039-M1	4,320.00
15	CK5S-0042-M1	5,730.00
15	CK5S-0043M1	5,730.00
18	CK5S-0044-M1	6,468.00
18	CK5S-0045-M1	6,468.00

SERIES 8

20	CK8S-0052-M1	8,035.00
20	CK8S-0053-M1	8,035.00
25	CK8S-0054-M1	8,979.00
25	CK8S-0055-M1	8,979.00
30	CK8S-0056-M1	9,965.00
30	CK8S-0057-M1	9,965.00
35	CK8S-0058-M1	11,077.00
35	CK8S-0059-M1	11,077.00
40	CK8S-0060-M1	12,156.00
40	CK8S-0061-M1	12,156.00
45	CK8S-0062-M1	13,302.00
45	CK8S-0063-M1	13,302.00

SERIES 10

35	CK10S-0031-M1	14,768.00
35	CK10S-0032-M1	14,768.00
45	CK10S-0033-M1	16,426.00
45	CK10S-0034-M1	16,426.00
50	CK10S-0035-M1	17,613.00
50	CK10S-0036-M1	17,613.00
60	CK10S-0037-M1	19,271.00
60	CK10S-0038-M1	19,271.00
70	CK10S-0039-M1	20,929.00
70	CK10S-0040-M1	20,929.00

SERIES 12

70	CK12S-0036-M1	22,650.00
80	CK12S-0038-M1	24,465.00
90	CK12S-0040-M1	26,279.00

SERIES 14

85	CK14S-0033-M1	26,323.00
100	CK14S-0035-M1	28,694.00
115	CK14S-0037-M1	31,066.00

SERIES 3

KW	HEAVY WEIGHT OIL	
1.5	CKPP25S-0329-M1	2,062.00
1.5	CKPP25S-0331-M1	2,062.00
3	CKPP25S-0337-M1	2,629.00
3	CKPP25S-0339-M1	2,629.00

SERIES 5

4	CK5S-0288-M1	3,905.00
4	CK5S-0289-M1	3,905.00
9	CK5S-0292-M1	6,431.00
9	CK5S-0293-M1	6,431.00

SERIES 8

10	CK8S-0154-M1	7,994.00
10	CK8S-0155-M1	7,994.00
12.5	CK8S-0156-M1	8,927.00
12.5	CK8S-0157-M1	8,927.00
15	CK8S-0158-M1	9,903.00
15	CK8S-0159-M1	9,903.00
17.5	CK8S-0160-M1	11,005.00
17.5	CK8S-0161-M1	11,005.00
20	CK8S-0162-M1	12,073.00
20	CK8S-0163-M1	12,073.00
22.5	CK8S-0164-M1	13,209.00
22.5	CK8S-0165-M1	13,209.00

SERIES 10

KW	HEAVY WEIGHT OIL	
24	CK10S-0102-M1	16,611.00
24	CK10S-0103-M1	16,611.00
28	CK10S-0104-M1	18,064.00
28	CK10S-0105-M1	18,064.00
33.5	CK10S-0106-M1	19,793.00
33.5	CK10S-0107-M1	19,793.00
38	CK10S-0108-M1	21,338.00
38	CK10S-0109-M1	21,338.00

SERIES 12

44.5	CK12S-0090-M1	25,131.00
44.5	CK12S-0091-M1	25,131.00
50.5	CK12S-0092-M1	27,109.00
50.5	CK12S-0093-M1	27,109.00

SERIES 14

55.75	CK14S-0092-M1	29,550.00
55.75	CK14S-0093-M1	29,550.00
63	CK14S-0094-M1	31,844.00
63	CK14S-0095-M1	31,844.00

SERIES 2

KW	CORROSIVE SOLUTION	
3	CKPP25I-0246-M1	2,385.00
3	CKPP25I-0247-M1	2,385.00
3	CKPP25I-0248-M1	2,385.00
3	CKPP25I-0249-M1	2,385.00
4.5	CKPP25I-0254-M1	2,495.00
4.5	CKPP25I-0255-M1	2,495.00
4.5	CKPP25I-0256-M1	2,495.00
4.5	CKPP25I-0257-M1	2,495.00
6	CKPP25I-0258-M1	2,934.00
6	CKPP25I-0259-M1	2,934.00
6	CKPP25I-0260-M1	2,934.00
6	CKPP25I-0261-M1	2,934.00
7.5	CKPP25I-0262-M1	3,049.00
7.5	CKPP25I-0263-M1	3,049.00
7.5	CKPP25I-0264-M1	3,049.00
7.5	CKPP25I-0265-M1	3,049.00
9	CKPP25I-0266-M1	3,154.00
9	CKPP25I-0267-M1	3,154.00
9	CKPP25I-0268-M1	3,154.00
9	CKPP25I-0269-M1	3,154.00

SERIES 3

KW	MILD CORROSIVE SOLUTION	CORROSIVE SOLUTION	AIR, GAS OR STEAM			
3	CK3A-0341-M1	2,501.00	CK3I-0054-M1	2,537.00	ACK3I-0054-M1	2,537.00
3	CK3A-0343-M1	2,501.00	CK3I-0056-M1	2,537.00	ACK3I-0056-M1	2,537.00
4.5	CK3A-0345-M1	2,785.00	CK3I-0058-M1	2,835.00	ACK3I-0058-M1	2,835.00
4.5	CK3A-0347-M1	2,785.00	CK3I-0060-M1	2,835.00	ACK3I-0060-M1	2,835.00
6	CK3A-0349-M1	3,115.00	CK3I-0062-M1	3,180.00	ACK3I-0062-M1	3,180.00
6	CK3A-0351-M1	3,115.00	CK3I-0064-M1	3,180.00	ACK3I-0064-M1	3,180.00

SERIES 5

9	CK5A-0294-M1	4,204.00	CK5I-0046-M1	4,305.00	ACK5I-0046-M1	4,305.00
9	CK5A-0295-M1	4,204.00	CK5I-0047-M1	4,305.00	ACK5I-0047-M1	4,305.00
12	CK5A-0296-M1	4,649.00	CK5I-0048-M1	4,779.00	ACK5I-0048-M1	4,779.00
12	CK5A-0297-M1	4,649.00	CK5I-0049-M1	4,779.00	ACK5I-0049-M1	4,779.00
20	CK5A-0300-M1	5,528.00	CK5I-0052-M1	5,729.00	ACK5I-0052-M1	5,729.00
20	CK5A-0301-M1	5,528.00	CK5I-0053-M1	5,729.00	ACK5I-0053-M1	5,729.00
25	CK5A-0302-M1	6,345.00	CK5I-0054-M1	6,598.00	ACK5I-0054-M1	6,598.00
25	CK5A-0303-M1	6,345.00	CK5I-0055-M1	6,598.00	ACK5I-0055-M1	6,598.00
30	CK5A-0304-M1	7,140.00	CK5I-0056-M1	7,444.00	ACK5I-0056-M1	7,444.00
30	CK5A-0305-M1	7,140.00	CK5I-0057-M1	7,444.00	ACK5I-0057-M1	7,444.00

SERIES 8

30	CK8A-0166-M1	8,565.00	CK8I-0027-M1	8,932.00	ACK8I-0027-M1	8,932.00
30	CK8A-0167-M1	8,565.00	CK8I-0028-M1	8,932.00	ACK8I-0028-M1	8,932.00
40	CK8A-0168-M1	9,706.00	CK8I-0029-M1	10,172.00	ACK8I-0029-M1	10,172.00
40	CK8A-0169-M1	9,706.00	CK8I-0030-M1	10,172.00	ACK8I-0030-M1	10,172.00
50	CK8A-0170-M1	10,889.00	CK8I-0031-M1	11,454.00	ACK8I-0031-M1	11,454.00
50	CK8A-0171-M1	10,889.00	CK8I-0032-M1	11,454.00	ACK8I-0032-M1	11,454.00

SERIES 10

70	CK10A-0112-M1	16,600.00	CK10I-0043-M1	17,398.00	ACK10I-0043-M1	17,398.00
70	CK10A-0113-M1	16,600.00	CK10I-0044-M1	12,022.00	ACK10I-0044-M1	12,022.00
85	CK10A-0114-M1	18,318.00	CK10I-0045-M1	19,265.00	ACK10I-0045-M1	19,265.00
85	CK10A-0115-M1	18,318.00	CK10I-0046-M1	12,736.00	ACK10I-0046-M1	12,736.00
105	CK10A-0117-M1	20,370.00	CK10I-0048-M1	21,515.00	ACK10I-0048-M1	21,515.00
120	CK10A-0119-M1	22,088.00	CK10I-0050-M1	23,381.00	ACK10I-0050-M1	23,381.00
135	CK10A-0121-M1	23,805.00	CK10I-0052-M1	25,248.00	ACK10I-0052-M1	25,248.00

SERIES 12

140	CK12A-0101-M1	25,904.00	CK12I-0048-M1	27,431.00	ACK12I-0048-M1	27,431.00
160	CK12A-0103-M1	28,112.00	CK12I-0050-M1	29,838.00	ACK12I-0052-M1	29,838.00
180	CK12A-0105-M1	30,321.00	CK12I-0052-M1	32,244.00	ACK12I-0052-M1	32,244.00

SERIES 14

175	CK14A-0103-M1	30,542.00	CK14I-0045-M1	32,451.00	ACK14I-0045-M1	32,451.00
200	CK14A-0105-M1	33,170.00	CK14I-0047-M1	35,327.00	ACK14I-0047-M1	35,327.00
225	CK14A-0107-M1	35,799.00	CK14I-0049-M1	38,203.00	ACK14I-0049-M1	38,203.00

SERIES 3

KW	CORROSIVE SOLUTION	
2	CK3AA-0439-M1	5,244.00
2	CK3AA-0441-M1	5,244.00
3	CK3AA-0443-M1	6,319.00
3	CK3AA-0445-M1	6,319.00
4	CK3AA-0447-M1	7,637.00
4	CK3AA-0449-M1	7,637.00

SERIES 5

6	CK5AA-0387-M1	10,150.00
6	CK5AA-0388-M1	10,150.00
8	CK5AA-0389-M1	11,642.00
8	CK5AA-0390-M1	11,642.00
13.5	CK5AA-0393-M1	14,262.00
13.5	CK5AA-0394-M1	14,262.00
17	CK5AA-0395-M1	17,091.00
17	CK5AA-0396-M1	17,091.00
20	CK5AA-0397-M1	19,829.00
20	CK5AA-0398-M1	19,829.00

SERIES 8

20	CK8AA-0222-M1	20,265.00
20	CK8AA-0223-M1	20,265.00
27	CK8AA-0224-M1	23,454.00
27	CK8AA-0225-M1	23,454.00
34	CK8AA-0226-M1	26,867.00
34	CK8AA-0227-M1	26,867.00

SERIES 10

48	CK10AA-0177 -M1	45,194.00
48	CK10AA-0178 -M1	45,194.00
58	CK10AA-0179 -M1	49,963.00
58	CK10AA-0180 -M1	49,963.00
72	CK10AA-0181 -M1	55,117.00
72	CK10AA-0182 -M1	55,117.00
80	CK10AA-0183 -M1	59,694.00
80	CK10AA-0184 -M1	59,694.00
92	CK10AA-0186 -M1	64,655.00

SERIES 12

95	CK12AA-0153-M1	68,551.00
109	CK12AA-0155-M1	74,536.00
123	CK12AA-0157-M1	80,522.00

SERIES 14

120	CK14AA-0159-M1	77,516.00
135	CK14AA-0161 -M1	84,052.00
153	CK14AA-0163-M1	90,878.00

CIRCULATION HEATER OPTIONS

	Series 1 or 2	Series 3	Series 4	Series 5	Series 6	Series 8	Series 10	Series 12	Series 14
TERMINAL HOUSINGS									
MOISTURE RESISTANT TERMINAL COVER	\$204.00	\$204.00	\$379.00	\$461.00	\$682.00	\$837.00	\$992.00	\$1,178.00	\$1,302.00
EXPLOSION RESISTANT TERMINAL COVER	204.00	204.00	379.00	461.00	880.00	1,080.00	1,280.00	1,520.00	1,680.00
CONSTRUCTION									
FLEXITALLIC GASKET-150 LB.	22.00	33.00	44.00	56.00	67.00	89.00	111.00	133.00	155.00
FLEXITALLIC GASKET-300 LB.	29.00	43.00	58.00	72.00	87.00	115.00	144.00	173.00	202.00
FLANGES ON INLET AND OUTLET-150 LB. (CARBON STEEL ONLY)	106.00	133.00	159.00	177.00	195.00	239.00	283.00	336.00	372.00
FLANGES ON INLET AND OUTLET-150 LB. (STAINLESS STEEL ONLY)	266.00	332.00	398.00	443.00	487.00	597.00	708.00	841.00	929.00
FLANGES ON INLET AND OUTLET-300 LB. (CARBON STEEL ONLY)	86.00	113.00	183.00	256.00	316.00	490.00	859.00	1,267.00	1,538.00
FLANGES ON INLET AND OUTLET-300 LB. (STAINLESS STEEL ONLY)	385.00	510.00	825.00	1,151.00	1,421.00	2,203.00	3,865.00	5,700.00	6,922.00
300 LB. BODY CONSTRUCTION (CARBON STEEL ONLY)	214.00	283.00	458.00	639.00	789.00	1,224.00	2,147.00	3,167.00	3,845.00
300 LB. BODY CONSTRUCTION (STAINLESS STEEL ONLY)	964.00	1,276.00	2,063.00	2,877.00	3,553.00	5,509.00	9,662.00	14,250.00	17,305.00
FEATURES									
HIGH TEMPERATURE BODY INSULATION	97.00	122.00	146.00	162.00	178.00	219.00	259.00	308.00	304.00
ASME-DESIGN AND CERTIFICATION (SECTION VIII)	523.00	653.00	784.00	871.00	958.00	1,176.00	1,394.00	1,655.00	1,829.00
6 INCH STANDOFFS ON TERMINAL HOUSING	478.00	589.00	818.00	853.00	1,242.00	1,683.00	2,300.00	2,935.00	3,536.00
BAFFLES	348.00	435.00	522.00	580.00	638.00	783.00	928.00	1,102.00	1,218.00
PASSIVATION OF GALVANIZING	436.00	468.00	499.00	520.00	541.00	594.00	646.00	709.00	751.00
WEATHERPROOF INSULATION JACKET	307.00	384.00	461.00	512.00	563.00	691.00	819.00	973.00	1,075.00
MOUNTING AND INSTALLATION									
MOUNTING SADDLES FOR HORIZONTAL MOUNT INSTALLATION	414.00	218.00	621.00	690.00	759.00	932.00	1,104.00	1,311.00	1,449.00
SKID MOUNTED SYSTEM - NEMA 12 - VERTICAL MOUNT	1,536.00	1,920.00	2,304.00	2,560.00	2,816.00	3,456.00	4,096.00	4,864.00	5,376.00
SKID MOUNTED SYSTEM - NEMA 12 - HORIZONTAL MOUNT	1,628.00	2,035.00	2,442.00	2,714.00	2,985.00	3,663.00	4,342.00	5,156.00	5,699.00
SKID MOUNTED SYSTEM - NEMA 4 - VERTICAL MOUNT	1,705.00	2,131.00	2,557.00	2,842.00	3,126.00	3,836.00	4,547.00	5,399.00	5,967.00
SKID MOUNTED SYSTEM - NEMA 4 - HORIZONTAL MOUNT	1,828.00	2,285.00	2,742.00	3,046.00	3,351.00	4,113.00	4,874.00	5,788.00	6,397.00

* Note: Price of Control Panel not included with Skid System Adder.

All Stainless Steel
Wetted Parts20% Adder to
304 Stainless Price

THERMOSTATS ON
SERIES 8 through SERIES 14
TYPE T1 Single Pole\$315.00
TYPE T2 Double Pole\$315.00
TYPE T2R Overtemperature
Cut-Out\$404.00
Thermocouple at Outlet\$370.00
Thermocouple Welded to Sheath ...\$370.00

**Mighty Blade® Circulation
HeatersConsult Ogden**

Wood Crate Charges May Apply

DT AND RDT IMMERSION HEATERS

STAINLESS STEEL ELEMENTS

3	DTS-031	\$1,212.00	RDTs-031	\$1,370.00
3	DTS-032	\$1,212.00	RDTs-032	\$1,370.00
3	DTS-034	\$1,212.00	RDTs-034	\$1,370.00
6	DTS-062	\$1,370.00	RDTs-062	\$1,527.00
6	DTS-064	\$1,370.00	RDTs-064	\$1,527.00
9	DTS-092	\$1,421.00	RDTs-092	\$1,579.00
9	DTS-094	\$1,421.00	RDTs-094	\$1,579.00
12	DTS-122	\$1,579.00	RDTs-122	\$1,736.00
12	DTS-124	\$1,579.00	RDTs-124	\$1,736.00
15	DTS-152	\$1,684.00	RDTs-152	\$1,838.00
15	DTS-154	\$1,684.00	RDTs-154	\$1,838.00
18	DTS-182	\$1,789.00	RDTs-182	\$1,943.00
18	DTS-184	\$1,789.00	RDTs-184	\$1,943.00

INCOLOY ELEMENTS

3	DTI-031	\$1,316.00	RDTI-031	\$1,421.00
3	DTI-032	\$1,316.00	RDTI-032	\$1,421.00
3	DTI-034	\$1,316.00	RDTI-034	\$1,421.00
6	DTI-062	\$1,421.00	RDTI-062	\$1,579.00
6	DTI-064	\$1,421.00	RDTI-064	\$1,579.00
9	DTI-092	\$1,527.00	RDTI-092	\$1,684.00
9	DTI-094	\$1,527.00	RDTI-094	\$1,684.00
12	DTI-122	\$1,633.00	RDTI-122	\$1,838.00
12	DTI-124	\$1,633.00	RDTI-124	\$1,838.00
15	DTI-152	\$1,736.00	RDTI-152	\$1,943.00
15	DTI-154	\$1,736.00	RDTI-154	\$1,943.00
18	DTI-182	\$1,838.00	RDTI-182	\$2,051.00
18	DTI-184	\$1,838.00	RDTI-184	\$2,051.00

STEEL ELEMENTS

3	DTO-031	\$949.00	RDTO-031	\$1,316.00
3	DTO-032	\$949.00	RDTO-032	\$1,316.00
3	DTO-034	\$949.00	RDTO-034	\$1,316.00
4.5	DTO-0452	\$1,159.00	RDTO-0452	\$1,370.00
4.5	DTO-0454	\$1,159.00	RDTO-0454	\$1,370.00
6	DTO-062	\$1,265.00	RDTO-062	\$1,421.00
6	DTO-064	\$1,265.00	RDTO-064	\$1,421.00
7.5	DTO-0752	\$1,316.00	RDTO-0752	\$1,475.00
7.5	DTO-0754	\$1,316.00	RDTO-0754	\$1,475.00
9	DTO-092	\$1,421.00	RDTO-092	\$1,579.00
9	DTO-094	\$1,421.00	RDTO-094	\$1,579.00
10	DTO-102	\$1,527.00	RDTO-102	\$1,684.00
10	DTO-104	\$1,527.00	RDTO-104	\$1,684.00

OPTIONS FOR DT AND RDT HEATERS

Thermostat \$220.00
Sludge Legs . . Per Set \$34.10
 (Standard on Catalog Heaters)

Explosion Resistant Housing
 Without Thermostat . . \$238.00
 With Thermostat \$622.00

Extra Riser Height*
 Stainless Steel Per Inch \$8.00
 Steel Per Inch \$6.85
 Incoloy Per Inch \$8.00

*Max. 60", if higher . . . Consult Ogden

OT Immersion Heaters

OTC-502 \$550.00
 OTC-752 \$550.00
 OTO-502 \$420.00
 OTO-752 \$420.00
 OTS-502 \$656.00
 OTS-752 \$656.00
 OTSS-502 \$753.00
 OTSS-752 \$753.00
 OTI-502 \$680.00
 OTI-752 \$680.00

BOILER AND WATER HEATERS

KW		
5	KP-3-0001	\$300.00
5	KP-3-0002	\$300.00
5	KP-3-0003	\$300.00
10	KP-3-0133	\$332.00
10	KP-3-0134	\$332.00
10	KP-3-0186	\$332.00
15	KP-3-0124	\$344.00
15	KP-3-0125	\$344.00
15	KP-3-0077	\$344.00
16	KP-3-0005	\$319.00
16	KP-3-0006	\$319.00
16	KP-3-0007	\$319.00
18	KP-3-0138	\$352.00

PIPE INSERT HEATERS

PI-2124 \$1,594.00
 PI-4124 \$1,594.00
 PI-2125 \$1,804.00
 PI-4125 \$1,804.00
 PI-21275 \$2,576.00
 PI-41275 \$2,576.00
 PI-412115 \$3,412.00
 PI-41213 \$3,819.00
 PI-2182 \$1,089.00
 PI-4182 \$1,089.00
 PI-2183 \$1,242.00
 PI-4183 \$1,242.00
 PI-2184 \$1,305.00
 PI-4184 \$1,305.00
 PI-4186 \$1,602.00
 PI-4188 \$1,827.00

QUARTZ IMMERSION HEATERS

QM1111 \$412.00
 QM1211 \$412.00
 QM2217 \$471.00
 QM2417 \$471.00
 QM3223 \$521.00
 QM3423 \$521.00
 QM35229 \$597.00
 QM35429 \$597.00
 QM4235 \$672.00
 QM4435 \$672.00
 QM5241 \$748.00
 QM5441 \$748.00
 QM6247 \$825.00
 QM6447 \$825.00
 QM8259 \$980.00
 QM8459 \$980.00
 QM10271 \$1,126.00
 QM10471 \$1,126.00
 3QM3111 \$1,181.00
 3QM3211 \$1,181.00
 3QM6217 \$1,250.00
 3QM6417 \$1,250.00
 3QM9223 \$1,432.00
 3QM9423 \$1,432.00
 3QM105299 \$1,616.00
 3QM105429 \$1,616.00
 3QM12235 \$1,794.00
 3QM12435 \$1,794.00
 3QM15241 \$1,934.00
 3QM15441 \$1,934.00
 3QM18247 \$2,177.00
 3QM18447 \$2,177.00
 3QM24259 \$2,655.00
 3QM24459 \$2,655.00
 3QM30271 \$3,054.00
 3QM30471 \$3,054.00

SINK SANITIZERS

SSC-60 \$780.00
 SSC-15 \$780.00
 SSC-40 \$780.00
 SSC-10 \$735.00
 SSA-60 \$735.00
 SSA-15 \$735.00
 SSA-40 \$707.00
 SSA-10 \$707.00

OVER-THE-SIDE HEATERS

OSS-138L111R4 \$1,216.00
 OSS-150L111R4 \$1,236.00
 OSS-203L118R4 \$1,375.00
 OSS-255L146R4 \$1,495.00
 OSI-138L111R4 \$1,615.00
 OSI-150L111R4 \$1,715.00
 OSI-203L118R4 \$1,929.00
 OSI-255L146R4 \$2,110.00

DRUM HEATERS

Type: DHA
 DHA-10240 \$737.00
 DHA-40240 \$737.00
Type: DHC
 DHC-10240 \$761.00
 DHC-40240 \$761.00
Type: DHS
 DHS-10240 \$665.00
 DHS-40240 \$665.00

WRAP AROUND DRUM HEATERS

Drum Size	Catalog Number	Price
55 Gal.	SR2011	\$209.00
	SR2011-TS	\$281.00
	SR2012	\$209.00
	SR2012-TS	\$281.00
	SR4814	\$347.00
	SR4814-TS	\$464.00
	SR3700	\$347.00
	SR3700-TS	\$464.00
	SR3682	\$908.00
	SR3704	\$908.00
30 Gal.	SR4815-TS	\$464.00
	SR4816-TS	\$464.00
	SR3703	\$908.00
	SR2013	\$203.00
	SR2013-TS	\$273.00
	SR2014	\$203.00
	SR2014-TS	\$273.00
	SR4817	\$301.00
	SR4817-TS	\$404.00
	SR4818-TS	\$404.00
15 Gal.	SR2015	\$199.00
	SR2015-TS	\$269.00
	SR3856	\$195.00
	SR3856-TS	\$264.00
	SR4819	\$269.00
	SR4819-TS	\$363.00
	SR4820	\$269.00
	SR4820-TS	\$363.00
	SR3705	\$619.00
	SR3705-TS	\$619.00
5 Gal.	SR2016	\$182.00
	SR2016-TS	\$258.00
	SR3855	\$178.00
	SR3855-TS	\$257.00
	SR4821	\$178.00
	SR4821-TS	\$256.00
	SR3699	\$534.00
	SR4822-TS	\$534.00
	SR3702	\$534.00
	SR3702-TS	\$534.00

**BOTTOM MOUNT
IMMERSION HEATERS**

OUH-10A2	\$250.00
OUH-10D2	\$250.00
OUH-10B2	\$250.00
OUH-15A2	\$270.00
OUH-15D2	\$270.00
OUH-15B2	\$270.00
OUH-20A2	\$283.00
OUH-20D2	\$283.00
OUH-20B2	\$283.00
OUH-25A2	\$294.00
OUH-25D2	\$294.00
OUH-25B2	\$294.00
OUH-30A2	\$353.00
OUH-30D2	\$353.00
OUH-30B2	\$374.00
OUH-40D2 OUH-40B2	\$409.00
OUH-50D2 OUH-50B2	\$448.00
OUH-60D2 OUH-60B2	\$560.00
OUH-70D2 OUH-70B2	\$498.00
OUH-30G3 OUH-30E3	\$532.00
OUH-40G3 OUH-40E3	\$560.00
OUH-50G3 OUH-50E3	\$615.00
OUH-60G3 OUH-60E3	\$615.00
OUH-70G3	\$667.00
OUH-70E3	\$667.00
OUH-70F3	\$667.00
OUH-80G3	\$671.00
OUH-80E3	\$671.00
OUH-80F3	\$671.00
OUH-90G3	\$675.00
OUH-90E3	\$675.00
OUH-90F3	\$675.00
OUH-100G3	\$679.00
OUH-100E3	\$379.00
OUH-100F3	\$679.00
LOW LIQUID LEVEL CUT-OUT	\$228.00

FINNED TUBULAR PROCESS AIR HEATERS

kW		
22.6	FDH-6-001	1,368.00
30	FDH-6-002	1,368.00
40	FDH-6-003	1,368.00
25.2	FDH-6-004	1,420.00
33.8	FDH-6-005	1,420.00
45	FDH-6-006	1,420.00
30.8	FDH-6-007	1,481.00
41.2	FDH-6-008	1,481.00
54.8	FDH-6-009	1,481.00
36	FDH-6-010	1,701.00
48	FDH-6-011	1,701.00
64	FDH-6-012	1,701.00
42	FDH-6-013	1,739.00
55.8	FDH-6-014	1,739.00
74	FDH-6-015	1,739.00
45.2	FDH-12-001	1,821.00
60	FDH-12-002	1,821.00
80	FDH-12-003	1,821.00
50.5	FDH-12-004	1,946.00
67.6	FDH-12-005	1,946.00
90	FDH-12-006	1,946.00

kW		
61.6	FDH-12-007	2,074.00
82.4	FDH-12-008	2,074.00
109.6	FDH-12-009	2,074.00
72	FDH-12-010	2,347.00
96	FDH-12-011	2,347.00
128	FDH-12-012	2,347.00
84	FDH-12-013	2,407.00
111.6	FDH-12-014	2,407.00
148	FDH-12-015	2,407.00
67.8	FDH-18-001	2,369.00
90	FDH-18-002	2,369.00
120	FDH-18-003	2,369.00
75.6	FDH-18-004	2,473.00
101.4	FDH-18-005	2,473.00
135	FDH-18-006	2,473.00
92.4	FDH-18-007	2,623.00
123.6	FDH-18-008	2,623.00
164.4	FDH-18-009	2,623.00
108	FDH-18-010	2,996.00
144	FDH-18-011	2,996.00
192	FDH-18-012	2,996.00
126	FDH-18-013	3,068.00
167.4	FDH-18-014	3,068.00
222	FDH-18-015	3,068.00
90.4	FDH-24-001	3,146.00
120	FDH-24-002	3,146.00
160	FDH-24-003	3,146.00
100.8	FDH-24-004	3,297.00
135.2	FDH-24-005	3,297.00
180	FDH-24-006	3,297.00
123.2	FDH-24-007	3,490.00
164.8	FDH-24-008	3,490.00
219.2	FDH-24-009	3,490.00
144	FDH-24-010	3,956.00
192	FDH-24-011	3,956.00
256	FDH-24-012	3,956.00
168	FDH-24-013	4,102.00
222.3	FDH-24-014	4,102.00
296	FDH-24-015	4,102.00
30.6	FDH-27-001	2,663.00
40.5	FDH-27-002	2,663.00
54	FDH-27-003	2,663.00
67.5	FDH-27-004	2,957.00
90	FDH-27-005	2,957.00
118.8	FDH-27-006	2,957.00
101.7	FDH-27-007	3,722.00
135	FDH-27-008	3,722.00
180	FDH-27-009	3,722.00
113.4	FDH-27-010	3,798.00
152.1	FDH-27-011	3,798.00
202.5	FDH-27-012	3,798.00
138.6	FDH-27-013	4,006.00
185.4	FDH-27-014	4,006.00
246.6	FDH-27-015	4,006.00
162	FDH-27-016	4,535.00
216	FDH-27-017	4,535.00
288	FDH-27-018	4,535.00
189	FDH-27-019	4,890.00
251.1	FDH-27-020	4,890.00
333	FDH-27-021	4,890.00
34	FDH-30-001	3,063.00
45	FDH-30-002	3,063.00
60	FDH-30-003	3,063.00
75	FDH-30-004	3,386.00
100	FDH-30-005	3,386.00
132	FDH-30-006	3,386.00
113	FDH-30-007	4,135.00
150	FDH-30-008	4,135.00
200	FDH-30-009	4,135.00
126	FDH-30-010	4,309.00
169	FDH-30-011	4,309.00
225	FDH-30-012	4,309.00
154	FDH-30-013	4,535.00
206	FDH-30-014	4,535.00
274	FDH-30-015	4,535.00
180	FDH-30-016	5,027.00
240	FDH-30-017	5,027.00
320	FDH-30-018	5,027.00
210	FDH-30-019	5,374.00
279	FDH-30-020	5,374.00
370	FDH-30-021	5,374.00

PANEL/ENCLOSURE HEATER ASSEMBLY

HA-9135-95-125	.....	\$260.00
HA-9135-100-250	.....	\$260.00
HA-9135-250-125	.....	\$260.00
HA-9135-250-250	.....	\$260.00
HA-9135-375-125	.....	\$260.00
HA-9135-375-250	.....	\$260.00

**SILICONE RUBBER
ENCLOSURE HEATERS**

SR5101	.....	\$47.05
SR5102	.....	\$61.95
SR5103	.....	\$70.00
SR5104	.....	\$80.30
SR5105	.....	\$107.00
SR5106	.....	\$107.00
SR5107	.....	\$111.00
SR5108	.....	\$126.00

PROCESS AIR HEATERS

ODH-6A	.....	\$1,362.00
ODH-6B	.....	\$1,362.00
ODH-12A	.....	\$1,985.00
ODH-12B	.....	\$1,985.00
ODH-18B	.....	\$2,683.00
ODH-24B	.....	\$3,284.00
ODH-30B	.....	\$3,997.00
ODH-36B	.....	\$4,624.00
ODH-42B	.....	\$5,387.00
ODH-48B	.....	\$5,993.00
ODH-54B	.....	\$6,769.00
ODH-60B	.....	\$7,532.00

**HIGH TEMPERATURE PROCESS AIR
HEATERS**

ODHT-5	.....	\$2,642.00
ODHT-10	.....	\$2,853.00
ODHT-15	.....	\$3,056.00
ODHT-20	.....	\$3,056.00
ODHT-25	.....	\$4,088.00
ODHT-30	.....	\$4,572.00
ODHT-35	.....	\$5,613.00
ODHT-40	.....	\$6,232.00
ODHT-45	.....	\$7,265.00
ODHT-50	.....	\$7,953.00
ODHT-60	.....	\$8,789.00
ODHT-80	.....	\$10,037.00
ODHT-90	.....	\$10,643.00
ODHT-100	.....	\$11,138.00
ODHT-120	.....	\$13,967.00
ODHT-144	.....	\$14,851.00
ODHT-160	.....	\$17,204.00
ODHT-162	.....	\$18,295.00
ODHT-180	.....	\$18,655.00
ODHT-216	.....	\$27,504.00
ODHT-240	.....	\$28,956.00
ODHT-270	.....	\$33,846.00
ODHT-300	.....	\$35,780.00

**ALL PROCESS AIR HEATER TERMINAL
ENCLOSURES**

Moisture Resistant (M5)	.....Add	\$501.00
Explosion Resistant (M6)	.....Add	\$790.00
High Limit Thermocouple attached to sheath	.....	\$203.00
Thermowell	.....	\$195.00

**HEATING SYSTEMS AND ASSEMBLIES,
FLUID HEAT TRANSFER SYSTEMS**

Consult Ogden

SECTION IV - STRIP HEATERS and MINI-TUBULARS

HD STRIP HEATERS

Overall Length "A" Dim.	Type A Terminals			
	Rust-Resisting Iron Sheath		Stainless Steel Sheath	
6			HDS-060A-0065	54.35
7-1/2	HDA-075A-0001	44.90	HDS-075A-0001	57.50
7-1/2	HDA-075A-0002	44.90	HDS-075A-0002	57.50
7-1/2	HDA-075A-0003	44.90	HDS-075A-0003	57.50
7-1/2	HDA-075A-0062	44.90	HDS-075A-0077	57.50
8	HDA-080A-0004	45.00	HDS-080A-0074	57.60
8	HDA-080A-0005	45.00	HDS-080A-0075	57.60
8	HDA-080A-0006	45.00	HDS-080A-0004	57.60
8	HDA-080A-0007	45.00	HDS-080A-0005	57.60
8			HDS-080A-0006	57.60
8			HDS-080A-0007	57.60
10 1/2	HDA-105A-0008	46.85	HDS-105A-0008	59.95
10-1/2	HDA-105A-0009	46.85	HDS-105A-0009	59.95
10-1/2			HDS-105A-0010	59.95
10-1/2			HDS-105A-0011	59.95
12	HDA-120A-0010	49.70	HDS-120A-0064	62.95
12	HDA-120A-0011	49.70	HDS-120A-0012	62.95
12			HDS-120A-0013	62.95
12			HDS-120A-0014	62.95
12			HDS-120A-0015	62.95
14	HDA-140A-0012	50.35	HDS-140A-0016	64.25
14	HDA-140A-0013	50.35	HDS-140A-0017	64.25
15-1/4			HDS-152A-0071	67.95
15-1/4	HDA-152A-0014	53.30	HDS-152A-0018	67.95
15-1/4	HDA-152A-0015	53.30	HDS-152A-0019	67.95
17-7/8			HDS-178A-0072	71.25
17-7/8	HDA-178A-0016	56.20	HDS-178A-0020	71.25
17-7/8	HDA-178A-0017	56.20	HDS-178A-0021	71.25
17-7/8	HDA-178A-0018	56.20	HDS-178A-0022	71.25
17-7/8	HDA-178A-0019	56.20	HDS-178A-0023	71.25
17-7/8	HDA-178A-0020	56.20	HDS-178A-0024	71.25
17-7/8	HDA-178A-0021	56.20	HDS-178A-0025	71.25
17-7/8	HDA-178A-0022	56.20	HDS-178A-0026	71.25
17-7/8			HDS-178A-0027	71.25
19-1/2	HDA-195A-0023	60.50	HDS-195A-0028	71.95
19-1/2	HDA-195A-0024	60.50	HDS-195A-0029	71.95
19-1/2	HDA-195A-0025	60.50	HDS-195A-0030	71.95
19-1/2	HDA-195A-0026	60.50	HDS-195A-0031	71.95
21	HDA-210A-0027	61.65	HDS-210A-0032	72.65
21	HDA-210A-0028	61.65	HDS-210A-0033	72.65
23-3/4	HDA-237A-0029	63.25	HDS-237A-0034	74.35
23-3/4	HDA-237A-0030	63.25	HDS-237A-0035	74.35
23-3/4	HDA-237A-0032	63.25	HDS-237A-0036	74.35
23-3/4	HDA-237A-0033	63.25	HDS-237A-0037	74.35
23-3/4			HDS-237A-0038	74.35
23-3/4			HDS-237A-0039	74.35
23-3/4			HDS-237A-0067	74.35
25-1/2	HDA-255A-0034	61.85	HDS-255A-0040	79.20
25-1/2	HDA-255A-0035	61.85	HDS-255A-0041	79.20
25-1/2	HDA-255A-0036	61.85	HDS-255A-0042	79.20
25-1/2	HDA-255A-0037	61.85	HDS-255A-0043	79.20
26-3/4	HDA-267A-0038	63.25	HDS-267A-0044	80.45
26-3/4	HDA-267A-0039	63.25	HDS-267A-0045	80.45
26-3/4		63.25	HDS-267A-0076	80.45
30-1/2	HDA-305A-0040	71.85	HDS-305A-0046	91.35
30-1/2	HDA-305A-0041	71.85	HDS-305A-0047	91.35
30-1/2			HDS-305A-0048	91.35
33-1/2	HDA-335A-0042	76.75	HDS-335A-0049	98.10
33-1/2	HDA-335A-0043	76.75	HDS-335A-0050	98.10
35-7/8	HDA-358A-0044	80.80	HDS-358A-0051	103.30
35-7/8	HDA-358A-0045	80.80	HDS-358A-0052	103.30
35-7/8			HDS-358A-0053	103.30
38-1/2	HDA-385A-0046	89.45	HDS-385A-0054	116.00
38-1/2	HDA-385A-0047	89.45	HDS-385A-0055	116.00

38-1/2	HDA-385A-0048	89.45		
38-1/2	HDA-385A-0049	89.45		
38-1/2	HDA-385A-0057	89.45		
42-1/2	HDA-425A-0050	98.10	HDS-425A-0056	126.00
42-1/2	HDA-425A-0051	98.10	HDS-425A-0057	116.00
42-1/2	HDA-425A-0052	98.10	HDS-425A-0058	116.00
42-1/2	HDA-425A-0053	98.10	HDS-425A-0059	116.00
46	HDA-460A-0175	106.00	HDS-460A-0197	125.00
47-7/8			HDS-478A-0081	131.00
47-7/8			HDS-478A-0082	131.00
49-3/4	HDA-497A-0176	116.00	HDS-497A-0198	135.00
53-7/8*			HDS-538A-0100	147.00

*Not a catalog item - in stock at 2500W 240V

Overall Length "A" Dim.	Type B Terminals			
	Rust-Resisting Iron Sheath		Stainless Steel Sheath	
7-1/2	HDA-075B-0001	46.40	HDS-075B-0001	59.10
7-1/2	HDA-075B-0002	46.40	HDS-075B-0002	59.10
8	HDA-080B-0003	46.60	HDS-080B-0003	59.60
8	HDA-080B-0004	46.60	HDS-080B-0004	59.60
9-1/2	HDA-095B-0005	48.10	HDS-095B-0005	61.25
9-1/2	HDA-095B-0006	48.10	HDS-095B-0006	61.25
12	HDA-120B-0007	50.85	HDS-120B-0008	64.45
12	HDA-120B-0008	50.85	HDS-120B-0009	64.45
12			HDS-120B-0010	64.45
12			HDS-120B-0011	64.45
12			HDS-120B-0012	64.45
12			HDS-120B-0013	64.45
14	HDA-140B-0009	51.75	HDS-140B-0014	65.90
14	HDA-140B-0010	51.75	HDS-140B-0015	65.90
15-1/4	HDA-152B-0011	54.85	HDS-152B-0016	70.50
15-1/4	HDA-152B-0012	54.85	HDS-152B-0017	70.50
17-3/4	HDA-177B-0051	56.40	HDS-177B-0115	71.60
17-7/8	HDA-178B-0013	57.60	HDS-178B-0018	73.50
17-7/8	HDA-178B-0014	57.60	HDS-178B-0019	73.50
17-7/8	HDA-178B-0015	57.60	HDS-178B-0020	73.50
17-7/8	HDA-178B-0016	57.60	HDS-178B-0021	73.50
17-7/8	HDA-178B-0017	57.60	HDS-178B-0022	73.50
17-7/8	HDA-178B-0018	57.60	HDS-178B-0023	73.50
19-1/2	HDA-195B-0019	58.45	HDS-195B-0024	74.45
19-1/2	HDA-195B-0020	58.45	HDS-195B-0025	74.45
19-1/2			HDS-195B-0026	74.45
19-1/2			HDS-195B-0027	74.45
19-1/2			HDS-195B-0028	74.45
19-1/2			HDS-195B-0029	74.45
21	HDA-210B-0021	58.90	HDS-210B-0030	75.15
21	HDA-210B-0022	58.90	HDS-210B-0031	75.15
23-3/4	HDA-237B-0023	59.95	HDS-237B-0032	76.30
23-3/4	HDA-237B-0024	59.95	HDS-237B-0033	76.30
23-3/4	HDA-237B-0025	59.95	HDS-237B-0035	76.30
23-3/4	HDA-237B-0026	59.95	HDS-237B-0036	76.30
23-3/4			HDS-237B-0037	76.30
23-3/4			HDS-237B-0038	76.30
23-3/4			HDS-237B-0039	76.30
23-3/4			HDS-237B-0040	76.30
25-1/2	HDA-255B-0028		HDS-255B-0041	80.55
25-1/2	HDA-255B-0029	63.25	HDS-255B-0042	80.55
26-3/4	HDA-267B-0030	67.05	HDS-267B-0043	85.70
26-3/4	HDA-267B-0031	67.05	HDS-267B-0044	85.70
29-3/4	HDA-297B-0052	72.75	HDS-297B-0116	92.95
30-1/2	HDA-305B-0032	73.65	HDS-305B-0045	94.10
30-1/2	HDA-305B-0033	73.65	HDS-305B-0046	94.10
30-3/4	HDA-307B-0053	74.45	HDS-307B-0117	94.45
31-3/4	HDA-317B-0054	76.75	HDS-317B-0118	95.00
33-1/2	HDA-335B-0034	79.20	HDS-335B-0047	100.45
33-1/2	HDA-335B-0035	79.20	HDS-335B-0048	100.45

33-3/4	HDA-337B-0055	79.55	HDS-337B-0119	100.90
35-7/8	HDA-358B-0036	83.45	HDS-358B-0049	107.00
35-7/8	HDA-358B-0037	83.45	HDS-358B-0050	107.00
37-3/4	HDA-377B-0056	90.50	HDS-377B-0120	117.00
38-1/2	HDA-385B-0038	92.20	HDS-385B-0051	119.00
38-1/2	HDA-385B-0039	92.20	HDS-385B-0052	119.00
41-3/4	HDA-417B-0057	97.75	HDS-417B-0121	128.00
42-1/2	HDA-425B-0040	100.90	HDS-425B-0053	130.00
42-1/2	HDA-425B-0041	100.90	HDS-425B-0054	130.00
43-3/4	HDA-437B-0058	102.50	HDS-437B-0122	132.00
45-3/4	HDA-457B-0059	107.00	HDS-457B-0123	137.00

Overall Length "A" Dim.	Type C Terminals			
	Rust-Resisting Iron Sheath		Stainless Steel Sheath	
5-1/2	HDA-055C-0001	48.00	HDS-055C-0001	57.60
5-1/2	HDA-055C-0002	48.00	HDS-055C-0002	57.60
6	HDA-060C-0003	48.45	HDS-060C-0003	58.15
6	HDA-060C-0004	48.45	HDS-060C-0004	58.15

HD STRIP HEATER OPTIONS

Terminal Box	.....	\$16.35
Ceramic Terminal Covers	.....	\$14.35 each
Mounting Clamps (PCM-6357)	.....	\$8.85
Finned HD Strip Heaters		
Steel Fins	.....	\$4.85 base + \$2.30/in.
Stainless Steel Fins	.....	\$4.85 base + \$2.30/in.
No Mounting Tabs	.....	\$11.00
Secondary Insulators (1 Set for each mtg. tab)	.....	.Per heater \$14.60

FINNED HD STRIP HEATERS

Overall Length "A" Dim.	Type A Terminals			
	Rust-Resisting Iron Sheath		Stainless Steel Sheath	
10-1/2	FHDA-105A-0008	74.90		
10-1/2	FHDA-105A-0009	74.90		
10-1/2	FHDA-105A-0137	74.90		
10-1/2	FHDA-105A-0138	74.90		
10-1/2			FHDS-105A-0160	90.00
10-1/2			FHDS-105A-0161	90.00
10-1/2	FHDA-105A-0139	74.90		
10-1/2	FHDA-105A-0140	74.90		
10-1/2			FHDS-105A-0162	90.00
10-1/2			FHDS-105A-0163	90.00
12	FHDA-120A-0011	83.75		
12	FHDA-120A-0141	83.75		
12	FHDA-120A-0142	83.75		
12			FHDS-120A-0164	100.90
12			FHDS-120A-0165	100.90
12	FHDA-120A-0143	83.75		
12	FHDA-120A-0144	83.75		
12			FHDS-120A-0166	100.90
12			FHDS-120A-0167	100.90
14	FHDA-140A-0145	90.60		
14			FHDS-140A-0168	113.00
14			FHDS-140A-0169	113.00
14	FHDA-140A-0146	90.60		
14	FHDA-140A-0147	90.60		
14			FHDS-140A-0170	113.00
14			FHDS-140A-0171	113.00
15-1/4	FHDA-152A-0148	97.15		
15-1/4			FHDS-152A-0172	121.00
15-1/4	FHDA-152A-0149	97.15		
15-1/4	FHDA-152A-0150	97.15		
15-1/4			FHDS-152A-0173	121.00
17-7/8	FHDA-178A-0021	110.00		
17-7/8	FHDA-178A-0022	110.00		
17-7/8			FHDS-178A-0024	136.00
17-7/8	FHDA-178A-0151	110.00		
17-7/8	FHDA-178A-0152	110.00		
17-7/8			FHDS-178A-0027	136.00
17-7/8	FHDA-178A-0153	110.00		
17-7/8	FHDA-178A-0154	110.00		
17-7/8			FHDS-178A-0174	136.00
19-1/2	FHDA-195A-0155	114.00		
19-1/2			FHDS-195A-0031	141.00
19-1/2			FHDS-195A-0175	141.00

19-1/2	FHDA-195A-0156	114.00		
19-1/2	FHDA-195A-0157	114.00		
19-1/2			FHDS-195A-0176	141.00
21	FHDA-210A-0158	121.00		
21			FHDS-210A-0177	152.00
21			FHDS-210A-0178	152.00
21	FHDA-210A-0159	121.00		
21			FHDS-210A-0179	152.00
23-3/4	FHDA-237A-0033	131.00		
23-3/4	FHDA-237A-0160	131.00		
23-3/4			FHDS-237A-0039	164.00
23-3/4			FHDS-237A-0180	164.00
23-3/4	FHDA-237A-0161	131.00	FHDS-237A-0181	164.00
25-1/2	FHDA-255A-0162	138.00		
25-1/2			FHDS-255A-0182	174.00
25-1/2	FHDA-255A-0163	138.00		
25-1/2			FHDS-255A-0183	174.00
26-3/4	FHDA-267A-0164	146.00		
26-3/4	FHDA-267A-0165	146.00	FHDS-267A-0184	184.00
26-3/4	FHDA-267A-0166	146.00	FHDS-267A-0185	184.00
26-3/4				
26-3/4	FHDA-267A-0167		FHDS-267A-0189	184.00
26-3/4			FHDS-267A-0190	184.00
26-3/4				
30-1/2	FHDA-305A-0168	164.00		
30-1/2			FHDS-305A-0186	206.00
30-1/2	FHDA-305A-0169	164.00		
30-1/2			FHDS-305A-0187	206.00
33-1/2			FHDS-335A-0188	225.00
35-7/8	FHDA-358A-0045	193.00		
35-7/8			FHDS-358A-0053	243.00
35-7/8	FHDA-358A-0170	193.00		
35-7/8			FHDS-358A-0191	243.00
35-7/8	FHDA-358A-0171	193.00		
35-7/8			FHDS-358A-0192	243.00
38-1/2	FHDA-385A-0057	207.00		
38-1/2			FHDS-385A-0193	262.00
38-1/2	FHDA-385A-0172	207.00		
38-1/2	FHDA-385A-0173	207.00		
38-1/2			FHDS-385A-0194	241.00
42-1/2	FHDA-425A-0174	229.00		
42-1/2			FHDS-425A-0195	290.00
47-7/8			FHDS-478A-0082	305.00

MIGHTY-TUFF STRIP HEATERS

1" WIDE		2" WIDE		3" WIDE		4" WIDE	
MT-06010-1109	48.65	MT-06020-1117	50.75	MT-06030-1125	70.75	MT-06040-1133	86.75
MT-08010-1110	52.05	MT-08020-1118	53.70	MT-08030-1126	73.85	MT-08040-1134	88.15
MT-10010-1111	54.75	MT-10020-1119	57.90	MT-10030-1127	80.45	MT-10040-1135	96.85
MT-12020-1112	57.00	MT-12020-1120	61.65	MT-12030-1128	87.30	MT-12040-1136	106.00
MT-14010-1113	59.70	MT-14020-1121	65.50	MT-14030-1129	94.00	MT-14040-1137	116.00
MT-16010-1114	62.50	MT-16020-1122	69.10	MT-16030-1130	100.15	MT-16040-1138	124.00
MT-18010-1115	64.75	MT-18020-1123	73.50	MT-18030-1131	107.00	MT-18040-1139	133.00
MT-20010-1116	67.75	MT-20020-1124	77.50	MT-20030-1132	114.00	MT-20040-1140	141.00
ADD PER INCH OF LENGTH OVER 20"	\$1.75		\$2.25		\$4.05		\$4.75

Formed on lengthwise curve - \$13.45 plus \$0.75 per inch
 Mounting hole or slot at each end - \$2.90 each
 Price is for SG or SE Terminals - see Mighty-Tuff Band Heater Pricing for Leads
 See Mighty Tuff Band section for additional adders

Note: For voltages over 277 -Consult Factory. Additional charges may apply.

MICA STRIP HEATERS

LENGTH IN INCHES	WIDTH IN INCHES				
	1	1 1/2	2	2 1/2	3
6	25.00	25.85	27.90	29.75	32.00
8	26.95	28.00	28.45	32.90	36.20
10	29.05	29.85	32.90	35.85	39.65
12	30.90	31.50	35.60	38.15	43.90
14	33.15	34.10	38.15	42.75	48.30
16	35.50	36.55	41.75	46.40	51.85
18	37.40	37.75	43.90	49.90	55.85
20	39.05	40.00	46.40	53.20	59.45
22	40.50	41.20	48.45	56.00	61.95
24	42.25	42.95	51.05	58.25	66.15
26	45.15	46.85	54.85	63.80	72.30
28	47.00	48.90	57.30	66.60	75.70
30	48.90	50.75	59.95	67.20	79.95
32	52.15	52.45	62.50	72.75	83.95
34	52.80	54.25	64.65	78.00	87.65
36	55.25	56.85	67.85	79.55	91.25
for lengths over 36" add per inch	1.75	2.00	2.00	2.35	2.80

MICA STRIP HEATER OPTIONS

- Maximum length 70"
- Width wider than 3", less than 14" long \$13.55
- Plus per sq. in. \$0.95
- For fractional size use next larger inch.
- L1, L2 Lead Wires 1st 12" N/C
- Per add'l 6" \$1.65
- Fig. 3, 5, 6 and 16 leads See Mica Band Options
- Screw Terminals N/C
- Tapped Terminals N/C
- Mounting Slots & Holes at each end \$4.95
- Special cut-outs and holes in heated section Consult Ogden
- Folded ends \$4.50
- Full Case Add per /sq.in. \$0.75
- Formed on lengthwise curve \$11.20
- Plus per inch of length \$0.65
- Formed on cross curve \$24.70
- Plus per inch of width \$1.45
- Right Angle form \$32.40

See Mica Band section for additional adders

Note: For voltages over 277 -Consult Factory. Additional charges may apply.

MINI-TUBULAR

from Stock List

MTB7E12	\$192.00
MTB7EL122-125	\$192.00
MTB7EL122-250	\$192.00
MTB7EL122-300	\$192.00

SECTION V - RADIANT PROCESS HEATERS

BLACK BODY CERAMIC INFRARED HEATERS

A-1-1000	Radiant Heater 1000W 220/230VST
A-1-1000-4	Black Body Ceramic Heater 1kW 480V . .ST
A-1-1000-Y	1000W 220/230V X=9-5/8ST
A-1-400	Radiant Heater, 400W, 220/230VST
A-1-650	Radiant Heater 650W 220/230VST Note 1
A-1-650-1	Radiant Heater 650W 120VST
A-1-650-4	Radiant Heater 650W 480VST
A-1-650-Y	Chameleon Ceramic Infrared Heater . . .ST
A-1-650-Y4	650W 480V Chameleon Ceramicinf . . .ST Note 1
A-1-H	Housing for One Heater (255MM)ST
A-1-R	Reflectors 9-7/8" Long for A-1ST
A-2-200	Radiant Heater 200W 220/230VST Note 1
A-2-325	Radiant Heater 325W 220/230VST Note 1
A-2-325-Y	Yellow Radiant Heater, 325W, 220/230V .ST
A-2-500	Radiant Heater 500W, 220/230VST
A-2-500-Y	Chameleon, 500W 220/230VST
A-2-H	Housing for Two Heaters (505MM)ST
A-2-R	Reflectors 4-15/16" L. for A-2ST Note 1
A-3-H	Housing for Three Heaters (755MM) . . .ST
A-4-H	Housing for Four Heaters (1005MM) . . .ST
A-5-H	Housing for Five HeatersST
AL-1-650-4	Radiant Heater, Flat BottomST See Note 2 in Stock List
AL-3-200-1	Flat Radiant Heater 200W 120VST Note 1
D-1-500	Radiant Heater 500W 220/230VST
D-1-500-1	5" Dia. Round Heater 500W 120VST
D-1-R	Reflectors for Round RadiantST
EL-1-650	Radiant 650W 220/230VST Note 1
EL-3-650	Flat Radiant Heater 650W 220/230V . . .ST Note 1

Note 1 - Contact Factory - 56 day lead-time / Minimum Order Qty may apply on out-of-stock items.

ACCESSORIES

A-1-R	
A-2-R	Refer to
BT-A/EL	Stock List
CT-1	for Pricing
CT-2	
D-1-R	
LP-26	

HOUSINGS

A-1-H*	
A-2-H*	Refer to
A-3-H*	Stock List
A-4-H*	for Pricing
A-5-H*	

CHAMELEON CERAMIC INFRARED HEATERS

A-1-1000-Y	Refer to
A-1-650-Y	Stock List
A-2-500-Y	for Pricing
A-2-325-Y	

THERMOCOUPLE ADDER FOR INFRARED HEATERS

12" J Thermocouple in Element	\$22.95
Per add'l 6"	\$ 4.40
12" K Thermocouple in Element	\$26.25
Per add'l 6"	\$ 4.40

RADIANT PROCESS HEATERS

Catalog	Price	Grill
HR1-0624	\$249.00	\$37.15
HR1-0724	\$249.00	\$37.15
HR1-0824	\$249.00	\$37.15
HR1-0830	\$278.00	\$44.80
HR1-0930	\$278.00	\$44.80
HR1-1030	\$278.00	\$44.80
HR1-1130	\$278.00	\$44.80
HR1-1546	\$344.00	\$59.00
HR1-1646	\$344.00	\$59.00
HR1-1746	\$344.00	\$59.00
HR1-1846	\$344.00	\$72.10
HR1-2561	\$418.00	\$85.20
HR1-3073	\$465.00	\$97.20
HR1-3685	\$503.00	\$37.15
HR2-1624	\$371.00	\$44.80
HR2-2230	\$427.00	\$59.00
HR2-3646	\$496.00	\$73.20
HR2-5061	\$618.00	\$85.20
HR2-6073	\$685.00	\$97.20
HR2-7285	\$806.00	\$28.40
HR3-0813	\$288.00	\$32.80
HR3-1117	\$304.00	\$37.15
HR3-1824	\$362.00	\$45.90
HR3-2532	\$440.00	\$53.55
HR3-3038	\$485.00	\$56.80
HR3-3644	\$580.00	\$42.60
HR4-1627	\$382.00	\$44.80
HR4-1930	\$389.00	\$45.90
HR4-2233	\$427.00	\$53.55
HR4-2638	\$440.00	\$55.70
HR4-2941	\$448.00	\$61.20
HR4-3345	\$476.00	\$61.20
HR4-3648	\$485.00	\$61.20
HR4-3649	\$496.00	\$63.35
HR4-3351	\$503.00	\$65.55
HR4-4154	\$514.00	\$66.65
HR4-4356	\$532.00	\$67.75
HR4-4457	\$554.00	\$72.10
HR4-4760	\$562.00	\$74.30
HR4-4862	\$571.00	\$76.45
HR4-5063	\$580.00	\$81.90
HR4-5468	\$654.00	\$83.00
HR4-5569	\$664.00	\$91.75
HR4-6075	\$742.00	\$93.95
HR4-6176	\$758.00	\$96.10
HR4-6681	\$838.00	\$101.60
HR4-7287	\$874.00	\$28.40
HR5-0813	\$571.00	\$32.80
HR5-1117	\$589.00	\$37.15
HR5-1824	\$638.00	\$45.90
HR5-2532	\$712.00	\$53.55
HR5-3038	\$779.00	\$56.80
HR5-3644	\$855.00	\$41.50
HR6-1627	\$779.00	\$44.80
HR6-1930	\$789.00	\$45.90
HR6-2233	\$824.00	\$53.55
HR6-2638	\$838.00	\$55.70
HR6-2941	\$843.00	\$61.20
HR6-3649	\$891.00	\$61.20
HR6-3345	\$874.00	\$61.20
HR6-3648	\$881.00	\$66.65
HR6-4356	\$931.00	\$76.45
HR6-5063	\$961.00	\$63.35
HR6-3851	\$912.00	\$65.55
HR6-4154	\$912.00	\$76.45
HR6-4862	\$968.00	\$83.00
HR6-5569	\$1,053.00	\$91.75
HR6-6075	\$1,136.00	\$67.75
HR6-4457	\$939.00	\$72.10
HR6-4760	\$948.00	\$81.90
HR6-5468	\$1,053.00	\$93.95
HR6-6176	\$1,147.00	\$96.10
HR6-6681	\$1,234.00	\$101.60
HR6-7287	\$1,273.00	\$105.00

REPLACEMENT ELEMENTS FOR RADIANT PROCESS HEATERS

J2X-0440	\$78.65
J2X-0441	\$78.65
J2X-0442	\$78.65
J2X-0443	\$78.65
J2X-0444	\$78.65
J2X-0445	\$78.65
J2X-0446	\$84.10
J2X-0447	\$84.10
J2X-0448	\$84.10
J2X-0449	\$84.10
J2X-0450	\$84.10
J2X-0451	\$84.10
J4X-0452	\$114.00
J4X-0453	\$114.00
J4X-0454	\$114.00
J4X-0455	\$114.00
J5X-0456	\$160.00
J5X-0457	\$160.00
J6X-0458	\$201.00
J6X-0459	\$201.00
J7X-0460	\$237.00
J7X-0461	\$237.00
J2W-0462	\$81.90
J2W-0463	\$81.90
J2W-0464	\$88.50
J2W-0465	\$88.50
J4W-0466	\$114.00
J4W-0467	\$114.00
J5W-0468	\$165.00
J5W-0469	\$165.00
J6W-0470	\$210.00
J6W-0471	\$210.00
J7W-0472	\$224.00
J7W-0473	\$224.00

REPLACEMENT ELEMENTS FOR RADIANT PROCESS HTRS (See Industry Cross Reference)

J1T-1197	\$62.25
J1T-1198	\$62.25
J2T-0506	\$80.85
J2T-0526	\$80.85
J2T-0507	\$80.85
J2T-1199	\$80.85
J2T-0177	\$88.50
J2T-1200	\$88.50
J2T-0381	\$88.50
J2T-0294	\$88.50
J3T-0508	\$99.40
J3T-0131	\$99.40
J4T-1201	\$118.00
J4T-0134	\$118.00
J4T-1202	\$118.00
J4T-0589	\$118.00
J5T-0592	\$161.00
J5T-0165	\$161.00
J5T-1203	\$161.00
J5T-0293	\$161.00
J6T-1204	\$202.00
J6T-0145	\$202.00
J6T-0295	\$202.00
J6T-1054	\$202.00
J7T-1205	\$244.00
J7T-0111	\$244.00
J7T-1177	\$244.00
J7T-0812	\$244.00
J9T-0362	\$303.00
J11T-1178	\$387.00
J13T-0796	\$488.00
J15T-1179	\$605.00
J2T-1180	\$88.50
J2T-1181	\$88.50
JT2-1182	\$88.50
J2T-0515	\$97.20
J2T-0127	\$97.20
J2T-1183	\$97.20
J4T-1184	\$115.00
J4T-0128	\$115.00
J4T-0874	\$115.00
J5T-1185	\$161.00
J5T-1186	\$161.00
J5T-1187	\$161.00
J6T-0129	\$212.00
J6T-0079	\$212.00
J7T-0130	\$228.00
J7T-1188	\$228.00
J7T-1189	\$228.00
J2Z-1190	\$153.00
J2Z-1191	\$153.00
J2Z-0512	\$156.00
J2Z-0545	\$156.00
J2Z-0513	\$178.00
J2Z-0371	\$178.00
J5Z-1192	\$228.00
J5Z-1193	\$228.00
J6Z-1194	\$270.00
J6Z-0372	\$270.00
J7Z-1195	\$270.00
J7Z-1196	\$270.00

QUARTZ LAMP INFRARED HEATERS

QR5B130	.....	\$275.00
QR10B230	.....	\$332.00
QR16B230	.....	\$409.00
QR25B430	.....	\$546.00

REPLACEMENT ELEMENTS FOR QUARTZ LAMP

500 T3	.....	\$64.45
1000 T3	.....	\$80.85
1600 T3	.....	\$105.00
2500 T3	.....	\$132.00

SECTION VI CONTROLS, SENSORS and ACCESSORIES

ETR-3000

Model	Single display microprocessor based temperature controller with Smarter Logic®						Base Price
ETR-3000	1/32 DIN Controller						180.00
	Code	Power Input					
	4	90 - 264 Vac, 50/60 Hz					N/C
	5	11 - 26 Vac or Vdc					25.00
	Code	Signal Input					
	1	Thermocouple J, K, T, E, B, R, S, N, L RTD: PT100 DIN, PT100 JIS					N/C
	4	Linear Voltage or Current such as 4-20mA (Specify Range)					N/C
	Code	Output 1					
	1	Relay rated 2A / 240 Vac					N/C
	2	Pulsed voltage to drive SSR, 5V / 30mA					N/C
	3	Isolated 4 - 20 / 0-20mA*					30.00
	4	Isolated 1 - 5 / 0 - 5 Vdc*					30.00
	5	Isolated 0 - 10 Vdc					30.00
	6	Triac Output 1A / 240 Vac, SSR					30.00
	C	SSR drive 14V / 30mA					30.00
	Code	Output 2 or Vdc Power Supply					
	0	None					N/C
	1	Form A Relay 2A / 240 Vac					20.00
	2	Pulsed voltage to drive SSR, 5V / 30mA					20.00
	3	Isolated 4 - 20 / 0 - 20mA*					30.00
	4	Isolated 1 - 5 / 0 - 5 Vdc*					30.00
	5	Isolated 0 - 10 Vdc					30.00
	6	Triac Output 1A / 240 Vac					30.00
	7	Isolated 20V / 25mA Transducer Power Supply					30.00
	8	Isolated 12V / 40mA Transducer Power Supply					30.00
	9	Isolated 5V / 80mA Transducer Power Supply					30.00
	C	SSR drive 14V / 30mA					30.00
	Code	Communication or Retransmit					
	0	None					N/C
	1	RS-485 interface					110.00
	2	RS 232 interface with cable**					160.00
	3	Retransmit 4 - 20mA / 0 - 20mA*					110.00
	4	Retransmit 1 - 5V / 0 - 5V*					110.00
	5	Retransmit 0 - 10V					110.00
	Code	Display Color					
	0	Red (Standard)					N/C
	1	Green (Special Order)					N/C
ETR-3000- 4	1	1	0	1	0	Typical Model Number (ETR-3000-411010)	
ACCESSORIES							
CC-94-1 RS-232 Interface Cable (2M)						50.00	
SNA-10A Smart Network Adaptor for Third Party Software. Converts up to 255 channels of RS-485 or RS-422 to an RS-232 Network.						235.00	
*Range set by front keyboard							
**Option includes CC-94-1 communication cable							

ETR-3400

Model	Single display microprocessor based temperature controller with Smarter Logic®					Base Price
ETR-3400	1/32 DIN Controller; Universal field selectable inputs; PID autotuning; selection of various control outputs; additional analog or event inputs; analog or digital communications					235.00
Code	Power Input					
4	90-264 Vac, 47/63 Hz					N/C
5	11-26 Vac or Vdc					20.00
Code	Signal Input					
1	Standard Input					N/C
	Input 1 - Universal input Thermocouple J, K, T, E, B, R, S, N. RTD: PT100 DIN, PT100 JIS Current: 4 - 20mA, 0 - 20mA Voltage: 0 - 1V, 0 - 5V, 1 - 5V, 0 - 10V					
	Input 2 - ** CT: 0 - 50 Amp, AC Current Transformer*** Voltage Input: 0 - 1V, 0 - 5V, 1 - 5V, 0 - 10V Event Input (EI)**					
Code	Output 1					
1	Relay rated 2A / 240 Vac					N/C
2	Pulsed voltage to drive SSR, 5V / 30mA					N/C
3	Isolated 4 - 20 / 0 - 20mA					30.00
4	Isolated 1 - 5 / 0 - 5 Vdc*					30.00
5	Isolated 0 - 10 Vdc					30.00
6	Triac Output 1A / 240 Vac, SSR					30.00
C	Pulsed Voltage to Drive SSR 14V / 30mA					30.00
Code	Output 2/Alarm 2					
0	None					N/C
1	Form A Relay 2A / 240 Vac					20.00
2	Pulsed voltage to drive SSR, 5V / 30mA					20.00
3	Isolated 4 - 20 / 0 - 20mA*					30.00
4	Isolated 1 - 5 / 0 - 5 Vdc*					30.00
5	Isolated 0 - 10 Vdc					30.00
6	Triac Output 1A / 240 Vac, SSR					30.00
7	Isolated 20V / 25mA DC Output Power Supply					30.00
8	Isolated 12V / 40mA DC Output Power Supply					30.00
9	Isolated 5V / 80mA DC Output Power Supply					30.00
C	Pulsed Voltage to Drive SSR 14V/30mA					30.00
Code	Alarm 1					
1	5V Logic Output					N/C
Code	Communications					
0	None					N/C
1	RS-485 Interface					110.00
2	RS-232 Interface**					160.00
3	Retransmit 4 - 20ma					110.00
	0 - 20mA*					110.00
4	Retransmit 1 - 5V / 0 - 5 Vdc*					110.00
5	Retransmit 0 - 10 Vdc					110.00

ETR-3400 - 4 1 1 0 1 0 Typical Model Number (ETR-3400-411010)

*Range set by front keyboard
 **Alternative between RS-232 and Event Input, option includes communication cable.
 ***Order CT94-1 if heater Break Function is required.

ETR-901

Model Solid state temperature controllers										Base Price
ETR-901 1/16 DIN Controller										165.00
Code Input Voltage										
1	100/120 Vac, 50/60 Hz									N/C
2	220/240 Vac, 50/60 Hz									N/C
4	24 Vac/Vdc									20.00
Code Temperature Range										
FB	50-400°F									N/C
FC	50-850°F									N/C
CE	0-600°C									N/C
Code Sensor Type/Input										
01	K									N/C
02	J									N/C
04	RTD PT100 (DIN)									N/C
05	RTD PT100 (JIS)									N/C
Code Output										
01	3 Amp relay									N/C
02	Pulsed voltage to drive SSR									N/C
03	Triac Output, 1A / 240 Vac									30.00
04	4 - 20mA									30.00
Code Control Mode										
1	ON/OFF (*Order Cycle Time Code 1)									N/C
2	Proportional									N/C
Code										
A	Add to complete model number									N/C
Code Cycle Time										
1	Not applicable (ON/OFF, output for SCR)									N/C
2	20 seconds for relay									N/C
3	1 second for SSR									N/C
4	Other									-
Code										
P	Add to complete model number									N/C
Code										
1	Add to complete model number									N/C
ETR-901 - 1	FC	02	01	2	A	2	P	1	Typical Model Number	
<p>Note: Control Mode and Cycle Time must be in agreement. Note: Not all selections are adaptable from stock items. See Stock List.</p>										

ETR-902

Model		Solid state temperature controllers							Base Price										
ETR-902		1/16 DIN Controller							175.00										
Code		Input Voltage																	
1		100/120 Vac, 50/60 Hz							N/C										
2		220/240 Vac, 50/60 Hz							N/C										
4		24 Vac/Vdc							20.00										
Code		Temperature Range																	
FC		50-850°F							N/C										
FF		0-1100°F							N/C										
FI		0-2200°F							N/C										
CA		0-400°C							N/C										
Code		Sensor Type/Input																	
01		K							N/C										
02		J							N/C										
04		RTD PT100 (DIN)							N/C										
05		RTD PT100 (JIS)							N/C										
Code		Output																	
01		3 Amp relay							N/C										
02		Pulsed voltage to drive SSR							N/C										
03		Triac Output, 1A / 240 Vac							30.00										
04		4 - 20mA							30.00										
Code		Control Mode																	
1		ON/OFF (*Order Cycle Time Code 1)							N/C										
2		Proportional							N/C										
Code		Add to complete model number																	
A		Add to complete model number							N/C										
Code		Cycle Time																	
1		Not applicable (ON/OFF, output for SCR)							N/C										
2		20 seconds for relay							N/C										
3		1 second for SSR							N/C										
4		Other							-										
Code		Add to complete model number																	
P		Add to complete model number							N/C										
Code		Add to complete model number																	
1		Add to complete model number							N/C										
ETR-902 - 1		FC		02		01		2		A		2		P		1		Typical Model Number	
<p>Note: Control Mode and Cycle Time must be in agreement. Note: Not all selections are adaptable from stock items. See Stock List.</p>																			

ETR-905

Model		Solid state temperature controllers							Base Price	
ETR-905	1/16 DIN Controller								255.00	
Code	Input Voltage									
3	90/264 Vac, 50/60 Hz (ETR-905 only)								N/C	
4	24 Vac/Vdc								20.00	
Code	Temperature Range									
FA	0-200°F								N/C	
FB	0-300°F								N/C	
FC	50-850°F								N/C	
FD	0-999°F								N/C	
FL	0-399°F								N/C	
FN	0-599°F								N/C	
CB	0-600°C								N/C	
Code	Sensor Type/Input									
01	K								N/C	
02	J								N/C	
04	RTD PT100 (DIN)								N/C	
05	RTD PT100 (JIS)								N/C	
Code	Output									
01	3 Amp relay								N/C	
02	Pulsed voltage to drive SSR								N/C	
03	Triac Output, 1A / 240 Vac								30.00	
04	4 - 20mA								30.00	
Code	Control Mode									
1	ON/OFF (*Order Cycle Time Code 1)								N/C	
2	Proportional								N/C	
Code										
A	Add to complete model number								N/C	
Code	Cycle Time									
1	Not applicable (ON/OFF, output for SCR)								N/C	
2	20 seconds for relay								N/C	
3	1 second for SSR								N/C	
4	Other								—	
Code										
P	Add to complete model number								N/C	
Code										
1	Add to complete model number								N/C	
ETR-905-	3	FD	02	01	2	A	2	P	1	Typical Model Number

Note: Control Mode and Cycle Time must be in agreement.
 Note: Not all selections are adaptable from stock items. See Stock List.

ETR-9000

Model	Single display microprocessor based temperature controller with Smarter Logic®					Base Price
ETR-9000	1/16 DIN Controller					205.00
	Code	Power Input				
	4	90 - 264 Vac, 50/60 Hz				N/C
	5	11 - 26 Vac or Vdc				25.00
	Code	Signal Input				
	1	Thermocouple J, K, T, E, B, R, S, N, L RTD: PT100 DIN, PT100 JIS				N/C
	4	Linear Voltage or Current such as 4 - 20mA (Specify Range)				N/C
	Code	Output 1				
	1	Relay rated 2A / 240 Vac				N/C
	2	Pulsed voltage to drive SSR, 5V / 30mA				N/C
	3	Isolated 4 - 20 / 0 - 20mA*				30.00
	4	Isolated 1 - 5 / 0 - 5 Vdc*				30.00
	5	Isolated 0 - 10 Vdc				30.00
	6	Triac Output 1A / 240 Vac, SSR				30.00
	C	SSR drive 14V / 30mA				30.00
	Code	Output 2, or Vdc Power Supply, or Communication				
	0	None				N/C
	1	Form A Relay 2A / 240 Vac				20.00
	2	Pulsed voltage to drive SSR, 5V / 30mA				20.00
	3	Isolated 4 - 20 / 0 - 20mA*				30.00
	4	Isolated 1 - 5 / 0 - 5 Vdc*				30.00
	5	Isolated 0 - 10 Vdc				30.00
	6	Triac Output 1A / 240 Vac				30.00
	7	Isolated 20V / 25mA Transducer Power Supply				30.00
	8	Isolated 12V / 40mA Transducer Power Supply				30.00
	9	Isolated 5V / 80mA Transducer Power Supply				30.00
	A	RS-485 interface				110.00
	C	SSR drive 14V / 30mA				30.00
	Code	Display Color				
	0	Red (Standard)				N/C
	1	Green (Special Order)				N/C
ETR-9000-	4	1	1	1	0	Typical Model Number (ETR-9000-41110)
*Range set by front keyboard						

ETR-9090

Model	Dual display microprocessor based temperature controller with Smarter Logic®				Base Price
ETR-9090	1/16 DIN Controller				220.00
	Code	Power Input			
	(blank)	90-264 Vac, 50/60 Hz			N/C
	3	20-32 Vac/DC			20.00
	4	10-16 Vdc			20.00
	Code	Signal Input			
	1	Thermocouple J, K, T, E, B, R, S, N			N/C
	2	RTD: PT100 ohms, Alpha = 0.00385/DIN			N/C
	3	RTD PT100 ohms, Alpha = 0.00392/JIS			N/C
	4	Voltage - 10-60mV or other current or voltage (specify range)*			30.00
	Code	Output Control			
	1	None			N/C
	2	Relay rated, 3A / 240 Vac resistive			N/C
	3	Pulsed voltage to drive SSR, 3 - 32 Vdc			N/C
	4	Triac Output, 1A / 240 Vac			30.00
	5	Isolated 4 - 20mA linear			30.00
	6	Isolated 0 - 20mA linear			30.00
	7	Isolated 0 - 10 Vdc linear			30.00
	8	Special Order			—
	Code	Alarm Output			
	1	With alarm relay rated 2A / 240 Vac			20.00
	2	No alarm			N/C
	Code	Faceplate Change			
	Blank	Standard degrees F			N/C
	-C	Degrees C			N/C
	**	Special Order			—
ETR-9090-	1	2	2	Typical Model Number	
				90-260 Vac, T/C, Relay, No Alarm	220.00
ETR-9090- 3	1	2	1	20-32 Vac/DC, T/C, Relay, Alarm	260.00
ETR-9090-	1	2	2	90-260 Vac, T/C, Relay, No Alarm, Degrees C	220.00
<p>Note: When the Power Input digit is “blank”, the empty space is not shown. eg: The first example above would be read “ETR-9090-121” eg: The second example above would be read “ETR-9090-3121” eg: The third example above would be read “ETR-9090-121-C” Note: Degrees F or C are programmable. Faceplate is printed F (standard) or C (option) *Specify special display range for Voltage or current inputs. Standard 4-20mA (0-100)</p>					

ETR-9100

Model	Dual display microprocessor based temperature controller with Smarter Logic®							Base Price
ETR-9100 1/16 DIN	Controller							205.00
	Code	Power Input						
	4	90-250 Vac, 50/60 Hz						N/C
	5	11-26 Vac or Vdc						20.00
	Code	Signal Input						
	1	Standard Input Thermocouple J, K, T, E, B, R, S, N, L RTD: PT100 DIN, PT100 JIS						N/C
	4	Linear Voltage or Current such as 4 - 20mA (Specify Range)						N/C
	Code	Output 1						
	0	None						N/C
	1	Relay rated 2A / 240 Vac						N/C
	2	Pulsed voltage to drive SSR, 5V / 30mA						N/C
	3	Isolated 4 - 20 / 0 - 20mA*						30.00
	4	Isolated 1 - 5 / 0 - 5 Vdc*						30.00
	5	Isolated 0 - 10 Vdc						30.00
	6	Triac Output 1A / 240 Vac, SSR						30.00
	C	Pulsed Voltage to Drive SSR 14V / 30mA						30.00
	Code	Output 2						
	0	None						N/C
	1	Form A Relay 2A / 240 Vac						20.00
	2	Pulsed voltage to drive SSR, 5V / 30mA						20.00
	3	Isolated 4 - 20 / 0 - 20mA*						30.00
	4	Isolated 1 - 5 / 0 - 5 Vdc*						30.00
	5	Isolated 0 - 10 Vdc						30.00
	6	Triac Output 1A / 240 Vac, SSR						30.00
	7	Isolated 20V / 25mA DC Output Power Supply						30.00
	8	Isolated 12V / 40mA DC Output Power Supply						30.00
	9	Isolated 5V / 80mA DC Output Power Supply						30.00
	C	Pulsed Voltage to Drive SSR 14V / 30mA						30.00
	Code	Alarm 1						
	0	None						N/C
	1	Form C Relay 2A / 240 Vac						20.00
	Code	Communications						
	0	None						N/C
	1	RS-485 Interface						110.00
	2	RS-232 Interface**						160.00
	3	Retransmit 4 - 20mA/0 - 20mA						110.00
	4	Retransmit 1 - 5V / 0 - 5 Vdc*						110.00
	5	Retransmit 0 - 10 Vdc						110.00
	Code	Options						
	0	Panel mount						N/C
	1	Panel mount NEMA-4X / IP65						15.00
	2	DIN Rail mount (ETR-9100 only)						20.00
ETR-9100 - 4	1	1	1	0	0	0	Typical Model Number	
<p>*Range set by front keyboard **Option includes CC-94-1 communication cable</p>								

ETR-9300

Model	Dual display microprocessor based temperature controller with Smarter Logic®						Base Price
ETR-9300	1/16 DIN Controller; Universal field selectable inputs; PID autotuning; selection of various control outputs; additional analog or event inputs; analog or digital communications						290.00
Code	Power Input						
4	90-264 Vac, 50/60 Hz						N/C
5	11-26 Vac or Vdc						20.00
Code	Signal Input						
1	Standard Input						N/C
	Input 1 - Universal input Thermocouple J, K, T, E, B, R, S, N RTD: PT100 DIN, PT100 JIS Current: 4 - 20mA, 0 - 20mA Voltage: 0 - 1V, 0 - 5V, 1 - 5V, 0 - 10V						
	Input 2 - CT and Analog Input*** CT: 0 - 50 Amp, AC Current Transformer Voltage Input: 0 - 1V, 0 - 5V, 1 - 5V, 0 - 10V						
	Input 3 - Event Input (EI)**						
Code	Output 1						
1	Relay rated 3A / 240 Vac						N/C
2	Pulsed voltage to drive SSR, 5V / 30mA						N/C
3	Isolated 4 - 20 / 0 - 20mA						30.00
4	Isolated 1 - 5 / 0 - 5 Vdc*						30.00
5	Isolated 0 - 10 Vdc						30.00
6	Triac Output 1A / 240 Vac, SSR						30.00
C	Pulsed Voltage to Drive SSR 14V / 30mA						30.00
Code	Output 2/Alarm 2						
0	None						N/C
1	Form A Relay 2A / 240 Vac						20.00
2	Pulsed voltage to drive SSR, 5V / 30mA						20.00
3	Isolated 4 - 20 / 0 - 20mA*						30.00
4	Isolated 1 - 5 / 0 - 5 Vdc*						30.00
5	Isolated 0 - 10 Vdc						30.00
6	Triac Output 1A / 240 Vac, SSR						30.00
7	Isolated 20V / 25,A DC Output Power Supply						30.00
8	Isolated 12V / 40mA DC Output Power Supply						30.00
9	Isolated 5V / 80mA DC Output Power Supply						30.00
C	Pulsed Voltage to Drive SSR 14V / 30mA						30.00
Code	Alarm 1						
0	None						N/C
1	Form A Relay 2A / 240 Vac						20.00
2	Form B Relay 2A / 240 Vac						20.00
Code	Communications						
0	None						N/C
1	RS-485 Interface						110.00
2	RS-232 Interface**						160.00
3	Retransmit 4 - 20mA						110.00
	0 - 20mA*						110.00
4	Retransmit 1 - 5V/0 - 5 Vdc*						110.00
5	Retransmit 0 - 10 Vdc						110.00
ETR-9300 - 4	1	1	1	0	0	Typical Model Number (ETR-9300-411100)	
CT94-1	Current Transformer for CT Input/Heater Break Option						45.00
*Range set by front keyboard							
**Alternative between RS-232 and Event Input, option includes communication cable.							
***Order CT94-1 if heater Break Function is required.							

ETR-805

Model Solid state temperature controllers										Base Price
ETR-805 1/8 DIN Controller										250.00
Code Input Voltage										
3	90/264 Vac, 50/60 Hz									N/C
4	24 Vac/Vdc									20.00
Code Temperature Range										
FA	0-200°F									N/C
FB	0-300°F									N/C
FD	0-999°F									N/C
FF	0-1200°F									N/C
FG	0-1600°F									N/C
FH	0-1989°F									N/C
FL	0-399°F									N/C
FM	0-499°F									N/C
FN	0-600°F									N/C
CB	0-600°C									N/C
CK	0-299°C									N/C
CL	0-399°C									N/C
CN	0-999°C									N/C
CL	0-1200°C									N/C
Code Sensor Type/Input										
01	K									N/C
02	J									N/C
04	RTD PT100 (DIN)									N/C
05	RTD PT100 (JIS)									N/C
Code Output										
01	3 Amp relay									N/C
02	3-32 Vdc Pulsed voltage to drive SSR									N/C
03	Triac Output, 1A / 240 Vac									30.00
04	4 - 20mA linear for SCR									30.00
Code Control Mode										
1	ON/OFF (*Order Cycle Time Code 1)									N/C
2	Proportional									N/C
Code Cycle Time										
1	Not applicable (ON/OFF, output for SCR)									N/C
2	20 seconds for relay									N/C
3	1 second for SSR									N/C
Code Auxiliary Output										
A	None									N/C
B	3 Amp relay for high or low limit									30.00
Code										
P	Add to complete model number									N/C
Code										
1	Add to complete model number									N/C
ETR-805-	3	FD	02	02	2	3	A	P	1	Typical Model Number

ETR-8100

Model	Dual display microprocessor based temperature controller with Smarter Logic®						Base Price
ETR-8100 1/8 DIN Controller							245.00
Code	Power Input						
4	90-250 Vac, 50/60 Hz						N/C
5	11-26 Vac or Vdc						20.00
Code	Signal Input						
1	Standard Input Thermocouple J, K, T, E, B, R, S, N, L RTD: PT100 DIN, PT100 JIS						N/C
4	Linear Voltage or Current such as 4 - 20mA (Specify Range)						N/C
Code	Output 1						
0	None						N/C
1	Relay rated 2A / 240 Vac						N/C
2	Pulsed voltage to drive SSR, 5V / 30mA						N/C
3	Isolated 4 - 20 / 0 - 20mA*						30.00
4	Isolated 1 - 5 / 0 - 5 Vdc*						30.00
5	Isolated 0 - 10 Vdc						30.00
6	Triac Output 1A / 240 Vac, SSR						30.00
C	Pulsed Voltage to Drive SSR 14V / 30mA						30.00
Code	Output 2						
0	None						N/C
1	Form A Relay 2A / 240 Vac						20.00
2	Pulsed voltage to drive SSR, 5V / 30mA						20.00
3	Isolated 4 - 20 / 0 - 20mA*						30.00
4	Isolated 1 - 5 / 0 - 5 Vdc*						30.00
5	Isolated 0 - 10 Vdc						30.00
6	Triac Output 1A / 240 Vac, SSR						30.00
7	Isolated 20V / 25mA DC Output Power Supply						30.00
8	Isolated 12V / 4 0mA DC Output Power Supply						30.00
9	Isolated 5V / 80mA DC Output Power Supply						30.00
C	Pulsed Voltage to Drive SSR 14V / 30mA						30.00
Code	Alarm 1						
0	None						N/C
1	Form C Relay 2A / 240 Vac						20.00
Code	Communications						
0	None						N/C
1	RS-485 Interface						110.00
2	RS-232 Interface**						160.00
3	Retransmit 4 - 20mA/ 0 - 20mA						110.00
4	Retransmit 1 - 5V / 0 - 5 Vdc*						110.00
5	Retransmit 0 - 10 Vdc						110.00
Code	Options						
0	Panel mount						N/C
1	Panel mount NEMA-4X/IP65						15.00
2	DIN Rail mount (ETR-9100 only)						20.00
ETR-8100 - 4	1	1	1	0	0	0	Typical Model Number (ETR-8100-4111000)

*Range set by front keyboard

**Option includes CC-94-1 communication cable

ETR-8300

Model	Dual display microprocessor based temperature controller with Smarter Logic®						Base Price
ETR-8300	1/8 DIN Controller; Universal field selectable inputs; PID autotuning; selection of various control outputs; additional analog or event inputs; analog or digital communications						365.00
	Code	Power Input					
	4	90-264 Vac, 50/60 Hz					N/C
	5	11-26 Vac or Vdc					25.00
	Code	Signal Input					
	1	Standard Input					N/C
		Input 1 - Universal input Thermocouple J, K, T, E, B, R, S, N RTD: PT100 DIN, PT100 JIS Current: 4 - 20mA, 0 - 20mA Voltage: 0 - 1V, 0 - 5V, 1 - 5V, 0 - 10V					
		Input 2 - CT and Analog Input*** CT: 0 - 50 Amp, AC Current Transformer Analog Input: 4 - 20mA, 0 - 20mA, 0 - 1V, 0 - 5V, 1 - 5V, 0 - 10V					
		Input 3 - Event Input (EI)**					
	Code	Output 1					
	1	Relay rated 2A / 240V					N/C
	2	Pulsed voltage to drive SSR, 5V / 30mA					N/C
	3	Isolated 4 - 20 / 0 - 20mA*					30.00
	4	Isolated 1 - 5 / 0 - 5 Vdc*					30.00
	5	Isolated 0 - 10 Vdc					30.00
	6	Triac Output 1A / 240 Vac, SSR					30.00
	C	Pulsed Voltage to Drive SSR 14V / 30mA					30.00
	Code	Output 2					
	0	None					N/C
	1	Form A Relay 2A / 240 Vac					20.00
	2	Pulsed voltage to drive SSR, 5V / 30mA					20.00
	3	Isolated 4 - 20 / 0 - 20mA*					30.00
	4	Isolated 1 - 5 / 0 - 5 Vdc*					30.00
	5	Isolated 0 - 10 Vdc					30.00
	6	Triac Output 1A / 240 Vac, SSR					30.00
	7	Isolated 20V / 25mA DC Output Power Supply					30.00
	8	Isolated 12V / 40mA DC Output Power Supply					30.00
	9	Isolated 5V / 80mA DC Output Power Supply					30.00
	C	Pulsed Voltage to Drive SSR 14V / 30mA					30.00
	Code	Alarm 1 & Alarm 2					
	0 0	None					N/C
	1 1	Form C Relay 2A / 240 Vac & Form A Relay 2A / 240 Vac					20.00
	Code	Communications					
	0	None					N/C
	1	RS-485 Interface					110.00
	2	RS-232 Interface**					160.00
	3	Retransmit		4 - 20mA		110.00	
				0 - 20mA*		110.00	
	4	Retransmit		1 - 5V / 0 - 5 Vdc*		110.00	
	5	Retransmit		0 - 10 Vdc		110.00	
ETR-8300 - 4	1	1	1	1 1	0	Typical Model Number (ETR-8300-4111110)	
CT94-1	Current Transformer for CT Input/Heater Break Option						45.00
*Range set by front keyboard							
**Option includes communication cable.							
***Order CT94-1 if heater Break Function is required.							

ETR-401

Model		Solid state temperature controllers							Base Price										
ETR-401		1/4 DIN Controller							170.00										
Code		Input Voltage																	
3		120/240 Vac, 50/60 Hz							N/C										
4		24 Vac/Vdc							20.00										
Code		Temperature Range																	
FC		50-850°F							N/C										
CA		0-400°C							N/C										
CC		0-1200°C							N/C										
Code		Sensor Type/Input																	
01		K							N/C										
02		J							N/C										
04		RTD PT100 (DIN)							N/C										
05		RTD PT100 (JIS)							N/C										
Code		Output																	
01		3 Amp relay							N/C										
02		3032 Vdc pulsed voltage to drive SSR							N/C										
03		4 - 20mA linear for SCR							30.00										
Code		Control Mode																	
1		ON/OFF (*Order Cycle Time Code 1)							N/C										
2		Proportional							N/C										
Code		Control Mode																	
A		Add to complete model number							N/C										
Code		Cycle Time																	
1		Not applicable (ON/OFF, output for SCR)							N/C										
2		20 seconds for relay							N/C										
3		1 second for SSR, 3 - 32 Vdc							N/C										
4		Other							-										
Code		Control Mode																	
P		Add to complete model number							N/C										
Code		Control Mode																	
1		Add to complete model number							N/C										
ETR-401 - 3		FC		02		01		1		A		1		P		1		Typical Model Number	
Note: Control Mode and Cycle Time must be in agreement.																			

ETR-402

Model	Solid state temperature controllers									Base Price
ETR-402	1/4 DIN Controller									180.00
Code	Input Voltage									
3	120/240 Vac, 50/60 Hz									N/C
4	24 Vac/Vdc									20.00
Code	Temperature Range									
FB	50-400°F									N/C
FC	50-850°F									N/C
FE	0-1100°F									N/C
FK	0-2200°F									N/C
CA	0-400°C									N/C
CB	0-600°C									N/C
CC	0-1200°C									N/C
Code	Sensor Type/Input									
01	K									N/C
02	J									N/C
04	RTD PT100 (DIN)									N/C
05	RTD PT100 (JIS)									N/C
Code	Output									
01	3 Amp relay									N/C
02	3 - 32 Vdc pulsed voltage to drive SSR									N/C
03	4 - 20mA linear for SCR									30.00
Code	Control Mode									
1	ON/OFF (*Order Cycle Time Code 1)									N/C
2	Proportional									N/C
Code	Deviation Meter Scale									
A	Add to complete model number									N/C
Code	Cycle Time									
1	Not applicable (ON/OFF, output for SCR)									N/C
2	20 seconds for relay									N/C
3	1 second for SSR, 3 - 32 Vdc									N/C
4	Other									-
Code	Deviation Meter Scale									
Q	Standard (±10% of scale)									N/C
R	Special (±50°F)									30.00
S	Special (±100°F)									30.00
Code	Deviation Meter Scale									
1	Add to complete model number									N/C
ETR-402-	3	FC	01	01	2	A	2	Q	1	Typical Model Number

Note: Control Mode and Cycle Time must be in agreement.

ETR-404

Model Solid state temperature controllers										Base Price
ETR-404 1/4 DIN Controller										205.00
Code		Input Voltage								
3		90-264 Vac, 50/60 Hz								N/C
4		24 Vac/Vdc								20.00
Code		Temperature Range								
FB		0-400°F								N/C
FC		50-850°F								N/C
FE		0-1100°F								N/C
FK		0-2200°F								N/C
CA		0-400°C								N/C
CB		0-600°C								N/C
Code		Sensor Type/Input								
01		K								N/C
02		J								N/C
04		RTD PT100 (DIN)								N/C
05		RTD PT100 (JIS)								N/C
Code		Output								
01		3 Amp relay								N/C
02		Pulsed voltage to drive SSR, 3 - 32 Vdc								N/C
03		Voltage: 0 - 10 Vdc linear								30.00
04		4 - 20mA								30.00
05		Triac Output, 1A / 240 Vac								30.00
Code		Control Mode								
1		ON/OFF (*Order Cycle Time Code 1)								N/C
2		Proportional								N/C
Code		Control Mode								
A		None								N/C
B		High or low limit								30.00
Code		Cycle Time								
1		Not applicable (ON/OFF, output for SCR)								N/C
2		20 seconds for relay								N/C
3		1 second for SSR								N/C
4		Other								—
Code		Control Mode								
P		Add to complete model number								N/C
Code		Control Mode								
1		Add to complete model number								N/C

ETR-404- 3 FC 02 02 2 A 3 P 1 Typical Model Number

Note: Control Mode and Cycle Time must be in agreement.

ETR-405

Model	Solid state temperature controllers								Base Price	
ETR-405	1/4 DIN Controller								315.00	
Code Input Voltage										
1	110/120 Vac, 50/60 Hz								N/C	
2	220/240 Vac, 50-60 Hz								N/C	
3	110/120, 220/240 Vac, 50/60 Hz								N/C	
Code Temperature Range										
FB	0-400°F								N/C	
FN	0-600°F								N/C	
FC	50-850°F								N/C	
FE	0-999°F								N/C	
CB	0-500°C								N/C	
CE	0-999°C								N/C	
Code Sensor Type/Input										
01	K								N/C	
02	J								N/C	
04	RTD PT100 (DIN)								N/C	
05	RTD PT100 (JIS)								N/C	
Code Output										
01	3 Amp relay								N/C	
02	Pulsed voltage to drive SSR, 3 - 32 Vdc								N/C	
03	Voltage: 0 - 10 Vdc linear								30.00	
04	Current: 0 - 20mA								30.00	
05	Current: 0 - 10mA linear								30.00	
20	4 - 20mA linear								30.00	
21	1 - 5 Vdc								30.00	
Code Control Mode										
1	ON/OFF (*Order Cycle Time Code 1)								N/C	
2	Proportional								N/C	
Code Cycle Time										
1	Not applicable (ON/OFF, output for SCR)								N/C	
2	20 seconds for relay								N/C	
3	1 second for SSR								N/C	
4	Other								-	
Code Auxiliary Output										
A	None								N/C	
B	High or low limit								30.00	
Code										
P	Add to complete model number								N/C	
Code										
1	Add to complete model number								N/C	
ETR-405-	3	FE	04	01	1	1	B	P	1	Typical Model Number

Note: Control Mode and Cycle Time must be in agreement.

ETR-406

Model										Solid state temperature controllers	Base Price
ETR-406										1/4 DIN Controller	280.00
Code										Input Voltage	
3										90-264 Vac, 50/60 Hz	N/C
4										24 Vac/Vdc	20.00
Code										Temperature Range	
FB										0-400°F	N/C
FN										0-600°F	N/C
FD										0-999°F	N/C
CA										0-400°C	N/C
CB										0-600°C	N/C
CE										0-999°C	N/C
Code										Sensor Type/Input	
01										K	N/C
02										J	N/C
04										RTD PT100 (DIN)	N/C
05										RTD PT100 (JIS)	N/C
Code										Output	
01										3 Amp relay	N/C
02										Pulsed voltage to drive SSR, 3 - 32 Vdc	N/C
03										Voltage: 0 - 10 Vdc linear	30.00
04										4 - 20mA	30.00
05										Triac Output, 1A / 240 Vac	30.00
Code										Control Mode	
1										ON/OFF (*Order Cycle Time Code 1)	N/C
2										Proportional	N/C
Code										Auxiliary Output	
A										None	N/C
B										High or low limit	30.00
Code										Cycle Time	
1										Not applicable (ON/OFF, output for SCR)	N/C
2										20 seconds for relay	N/C
3										1 second for SSR	N/C
4										Other	-
Code										Code	
P										Add to complete model number	N/C
Code										Code	
1										Add to complete model number	N/C
ETR-406-	3	FD	01	02	2	A	1	P	1	Typical Model Number	

Note: Control Mode and Cycle Time must be in agreement.

ETR-4100

Model	Dual display microprocessor based temperature controller with Smarter Logic®							Base Price
ETR-4100 1/4 DIN Controller								255.00
Code	Power Input							
4	90-250 Vac, 50/60 Hz							N/C
5	11-26 Vac or Vdc							20.00
Code	Signal Input							
1	Standard Input Thermocouple J, K, T, E, B, R, S, N, L RTD: PT100 DIN, PT100 JIS							N/C
4	Linear Voltage or Current such as 4 - 20mA (Specify Range)							N/C
Code	Output 1							
0	None							N/C
1	Relay rated 2A / 240 Vac							N/C
2	Pulsed voltage to drive SSR, 5V / 30mA							N/C
3	Isolated 4 - 20 / 0 - 20mA*							30.00
4	Isolated 1 - 5 / 0 - 5 Vdc*							30.00
5	Isolated 0 - 10 Vdc							30.00
6	Triac Output 1A / 240 Vac, SSR							30.00
C	Pulsed Voltage to Drive SSR 14V/30mA							30.00
Code	Output 2							
0	None							N/C
1	Form A Relay 2A / 240 Vac							20.00
2	Pulsed voltage to drive SSR, 5V / 30mA							20.00
3	Isolated 4 - 20 / 0 - 20mA*							30.00
4	Isolated 1 - 5 / 0 - 5 Vdc*							30.00
5	Isolated 0 - 10 Vdc							30.00
6	Triac Output 1A / 240 Vac, SSR							30.00
7	Isolated 20V / 25mA DC Output Power Supply							30.00
8	Isolated 12V / 40mA DC Output Power Supply							30.00
9	Isolated 5V / 80mA DC Output Power Supply							30.00
C	Pulsed Voltage to Drive SSR 14V / 30mA							30.00
Code	Alarm 1							
0	None							N/C
1	Form C Relay 2A / 240 Vac							20.00
Code	Communications							
0	None							N/C
1	RS-485 Interface							110.00
2	RS-232 Interface**							160.00
3	Retransmit 4 - 20mA / 0 - 20mA							110.00
4	Retransmit 1-5V / 0 - 5 Vdc*							110.00
5	Retransmit 0 - 10 Vdc							110.00
Code	Options							
0	Panel mount							N/C
1	Panel mount NEMA-4X/IP65							15.00
2	DIN Rail mount (ETR-9100 only)							20.00
ETR-4100 - 4	1	1	1	0	0	0	Typical Model Number (ETR-4100-4111000)	

*Range set by front keyboard

**Option includes CC-94-1 communication cable

ETR-4300

Model	Dual display microprocessor based temperature controller with Smarter Logic®						Base Price
ETR-4300	1/4 DIN Controller; Universal field selectable inputs; PID autotuning; selection of various control outputs; additional analog or event analog or digital communications						390.00
Code Power Input							
4	90-264 Vac, 50/60 Hz					N/C	
5	11-26 Vac or Vdc					25.00	
Code Signal Input							
1	Standard Input					N/C	
	Input 1 - Universal input Thermocouple J, K, T, E, B, R, S, N RTD: PT100 DIN, PT100 JIS Current: 4 - 20mA, 0 - 20mA Voltage: 0- 1V, 0 - 5V, 1 - 5V, 0 - 10V						
	Input 2 - CT and Analog Input*** CT: 0 - 50 Amp, AC Current Transformer Analog Input: 4 - 20mA, 0 - 20mA, 0 - 1V, 0 - 5V, 1 - 5V, 0 - 10V						
	Input 3 - Event Input (EI)**						
Code Output 1							
1	Relay rated 2A / 240V					N/C	
2	Pulsed voltage to drive SSR, 5V / 30mA					N/C	
3	Isolated 4 - 20 / 0 - 20mA*					30.00	
4	Isolated 1 - 5 / 0 - 5 Vdc*					30.00	
5	Isolated 0 - 10 Vdc					30.00	
6	Triac Output 1A / 240 Vac, SSR					30.00	
C	Pulsed Voltage to Drive SSR 14V / 30mA					30.00	
Code Output 2							
0	None					N/C	
1	Form A Relay 2A / 240 Vac					20.00	
2	Pulsed voltage to drive SSR, 5V / 30mA					20.00	
3	Isolated 4 - 20 / 0 - 20mA*					30.00	
4	Isolated 1 - 5 / 0 - 5 Vdc*					30.00	
5	Isolated 0 - 10 Vdc					30.00	
6	Triac Output 1A / 240 Vac, SSR					30.00	
7	Isolated 20V / 25mA DC Output Power Supply					30.00	
8	Isolated 12V / 40mA DC Output Power Supply					30.00	
9	Isolated 5V / 80mA DC Output Power Supply					30.00	
C	Pulsed Voltage to Drive SSR 14V / 30mA					30.00	
Code Alarm 1 & Alarm 2							
0 0	None					N/C	
1 1	Form C Relay 2A/240Vac & Form A Relay 2A/240Vac					20.00	
Code Communications							
0	None					N/C	
1	RS-485 Interface					110.00	
2	RS-232 Interface**					160.00	
3	Retransmit 4 - 20ma					110.00	
	0 - 20mA*					110.00	
4	Retransmit 1- 5V / 0 - 5 Vdc*					110.00	
5	Retransmit 0 - 10 Vdc					110.00	
ETR-4300 - 4	1	1	1	1 1	0	Typical Model Number (ETR-4300-4111110)	
ACCESSORIES							
CC94-1	RS-232 Interface Cable (2M)					50.00	
CT94-1	Current Transformer for CT Input/Heater Break Option					45.00	
SNA10A	Smart Network Adaptor for Third Party Software. Converts up to 255 channels of RS-485 or RS-422 to RS-232 Network.					235.00	
*Range set by front keyboard							
**Option includes communication cable.							
***Order CT94-1 if heater Break Function is required.							

ETR-9040

Model	Single display microprocessor based limit control				Base Price
ETR-9040	1/16 DIN Controller				240.00
	Code	Power Input			
	4	90-264 Vac, 50/60 Hz			N/C
	5	11-26 Vac or Vdc			20.00
	Code	Signal Input			
	1	Standard Input Thermocouple J, K, T, E, B, R, S, N, L RTD: PT100 DIN, PT100 JIS mV: 0 - 60MV			N/C
	2	Voltage: 0 - 1V			N/C
	3	Voltage: 0 - 10V			N/C
	4	Current: 0 - 20ma / 4 - 20ma			N/C
	Code	Output 1			
	1	Form C Relay Rated 2A / 240 Vac			N/C
	2	Pulsed Voltage to Drive SSR, 5V / 30mA			N/C
	6	Triac Output 1A / 240 Vac, SSR			30.00
	Code	Output 2			
	0	None			N/C
	1	Form A Relay 2A / 240 Vac			20.00
	2	Pulsed voltage to drive SSR, 5V / 30mA			20.00
	6	Triac Output 1A / 240 Vac, SSR			30.00
	7	Isolated 20V / 25mA DC Output Power Supply			30.00
	8	Isolated 12V / 40mA DC Output Power Supply			30.00
	9	Isolated 5V / 80mA DC Output Power Supply			30.00
	A	RS-485			110.00
	B	Event Input			20.00
ETR-9040-	4	1	1	6	Typical Model Number (ETR-9040-4116)

ECR1 Electronic Chart Recorder

Model		ECR1 Electronic Chart Recorder Basic Configuration										
ECR1	Code	Power									Base Price	
	4	90-250 VAC, 47-63 Hz									nc	
	6	11-18Vdc									nc	
	7	18-36Vdc									nc	
		Code	Analog Input Card									Adder
		3	3 Channels (1 Card*)									2,075.00
		6	6 Channels (2 Cards*)									2,245.00
		A	9 Channels (3 Cards*)									2,515.00
		B	12 Channels (4 Cards*)									2,790.00
		C	15 Channels (5 Cards*)									3,060.00
		D	18 Channels (6 Cards*)									3,280.00
		Code	Digital Input Card									
		0	None									nc
		1	6 Channels (1 Card*)									225.00
		2	12 Channels (2 Cards*)									450.00
		Code	Digital Output Card									
		0	None									nc
		1	6 Relays (1 Card*)									225.00
		2	12 Relays (2 Cards*)									450.00
		Code	Communications									
		0	Standard Ethernet Interface									nc
		1	RS-232/422/485 (three in one)* Ethernet interface									200.00
		Code	PC Software									
	1	Free Basic Observer I for non-communication application									nc	
	2	Extensive Observer II for communication via RS-232/422/485 or Ethernet									225.00	
	Code	Firmware										
	0	Basic Function									nc	
	1	With Mathematics, Counter and Totalizer Functions									330.00	
	Code	Storage Media										
	1	512MB Compact Flash Card (CF)									110.00	
	4	1GB Compact Flash Card (CF)									170.00	
	Code	Case/Mounting										
	1	Standard Panel Mount									nc	
	2	Bench Top/Portable Style with Handle									190.00	
	Code	Special Option										
	0	None									nc	
	1	24Vdc Auxiliary Power Supply (for Transmitter, 6 Channels)									220.00	
ECR1	—	4	A	0	0	0	1	0	1	1	0	Typical Model Number
<p>* Standard model without options, ECR1-4A00010110</p> <p>* The rear slots of the recorder will only accept up to 6 cards in any combination.</p>												

ETR-3**Surface / DIN Rail mount FM High****Limit Control**

ETR-3-01	\$195.00
ETR-3-02	\$195.00
ETR-3-03	\$195.00
ETR-3-05	\$195.00
ETR-3-06	\$195.00
ETR-3-09	\$195.00
ETR-3-17	\$195.00

ETR-4**Surface (Sub-Panel) Mount****Temperature Control**

ETR-4-01	\$235.00
ETR-4-02	\$235.00
ETR-4-03	\$235.00
ETR-4-04	\$235.00

RS CONVERTER**SNA-10A (Single Computer)**

RS-485 to RS-232	\$205.00
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SNA-10B (Multi Drop)

RS-485 to RS-232	\$525.00
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DUST COVERS

ETR-90-DC (1/16 DIN)	\$12.00
ETR-80-DC (1/8 DIN)	\$13.00
ETR-40-DC (1/4 DIN)	\$20.00

CURRENT TRANSFORMER

CT-94-1	\$45.00
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MAGNETIC CONTACTORS**CONTACTOR ONLY**

CONT-04000	\$110.00
CONT-07500	\$210.00
CONT-12000	\$370.00

NEMA 1, GENERAL PURPOSE**ENCLOSURE**

CONT-04010	\$160.00
CONT-07510	\$300.00
CONT-12010	\$550.00

NEMA 4, WEATHER PROOF**ENCLOSURE**

CONT-04040	\$325.00
CONT-07540	\$610.00
CONT-12010	\$880.00

NEMA 7, EXPLOSION PROOF**ENCLOSURE**

CONT-04070	\$1,700.00
CONT-07570	\$2,600.00
CONT-12070	\$5,100.00

THERMOSTATS**BULB AND CAPILLARY****THERMOSTATS**

AR-115G	\$270.00
AR-215G	\$265.00
AR-514G	\$265.00
AR-715G	\$265.00

AMERICAN THERMOSTATS

B200A-1, B200A1-1, B200F	\$90.00
Knob	\$10.00

SIMMERSTATS

CH-152	\$70.00
CH-252	\$70.00

MINIMAX Series SCR Power Controllers

MiniMax 1P Series Single Phase SCR Power Pack

Model

Mmax 1P Single Phase SCR Power Controller Complete with Lugs and I²T Fusing^{1,2}

Code	Control Configuration	
1	Phase Angle Control (Accepts: 1 - 5/0 - 5 mA, 4 - 20/0 - 20 mA, 10 - 50/0 - 50 mA, 0 - 5 / 0 - 10 Vdc)	\$125.00
2	Phase Angle Control with Current Limit	\$240.00
Code	Current @ 50° C (122° F) Ambient	
01	30 Amp	\$870.00
02	50 Amp	\$910.00
03	75 Amp	\$945.00
Code	Line Voltage ¹	
1	120 Vac	N/C
2	208 Vac	N/C
3	240 Vac	N/C
4	277 Vac	N/C
5	480 Vac	N/C
6	575 Vac	N/C
		\$110.00
Code	Remote Manual Adjust/Auto Manual Switch	
0	None	N/C
1	Pot with 0 - 100% dial and local/Remote Switch, Single Turn 1K ohm Potentiometer	\$80.00
Code		
G	Add to Complete Model Number	

Mmax1P-1 01 1 0 G Typical Model Number (Mmax1P-10110G)

Notes:

¹SCR Fusing is for semiconductor protection only, not wire protection.

²575 Volt fusing supplied loose for customer mounting.

ACCESSORIES

Part Number	Description	Price
Circuit Boards		
0135-28002	Control Board 120, 240 Vac	640.00
0135-28006	Control Board 208, 277, 480 Vac	640.00
0135-28037	Control Board 380 Vac	640.00
SCRs 480 Vac		
0002-47560	480 Vac SCR 30/50/75 Amp	90.00
SCRs 575 Vac		
0002-47561	575 Vac SCR 30/50/75 Amp	100.00
0029-00700	Thermstrate Material for SCR Installation	1.00
I²t Fuses for 500 Vac applications		
0024-03015	Fuse 500 Vac 30 Amp Unit	32.00
0024-03085	Fuse 500 Vac 50 Amp Unit	37.00
0024-03072	Fuse 500 Vac 75 Amp Unit	37.00
I²t Fuses for 575 Vac applications		
0024-03033	Fuse 575 Vac 30 Amp Unit	42.00
0024-03137	Fuse 575 Vac 50 Amp Unit	48.00
0024-47561	Fuse 575 Vac 75 Amp Unit	48.00

MINIMAX Series SCR Power Controllers

MiniMax 1 Series Single Phase SCR Power Pack

Model

Mmax 1 Single Phase SCR Power Controller Complete with Lugs and I²T Fusing^{1,2}

Code	Control Configuration	Base Price
1	On/Off Standard (Accepts: 120 Vac, 240 Vac, 5 - 32 Vdc, Dry Contact Closure)	\$130.00
2	On/Off Standard with Shorted SCR Detection	\$240.00
3	Proportional Control, DOT Firing (Accepts: 4 - 20 Ma, 1 - 5 Vdc, 0 - 5 Vdc, 0 - 10 Vdc)	\$270.00
4	Proportional Control, DOT Firing with Shorted SCR Detection	\$390.00
Code	Current @ 50° C (122° F) Ambient	Adder
01	30 Amp	\$870.00
02	50 Amp	\$910.00
03	75 Amp	\$945.00
Code	Line Voltage	Adder
1	120 - 480 Vac	N/C
2	575 Vac	\$110.00
Code	Instrument Power	Adder
1	120 Vac 50/60 Hz	N/C
Code	Remote Manual Adjust/Auto Manual Switch	Adder
0	None	N/C
1	Pot with 0 - 100% dial and local/Remote Switch, Single Turn 1K ohm Potentiometer	\$80.00
Code		
G	Add to Complete Model Number	

Mmax1-3 01 1 1 0 G Typical Model Number (Mmax1-301110G)

Notes:

¹SCR Fusing is for semiconductor protection only, not wire protection.

²575 Volt fusing supplied loose for customer mounting.

ACCESSORIES

Part Number	Description	Price
Circuit Board Kits		
0135-28135	Main + Shorted SCR + Proportional + Cover	790.00
0135-28139	Main + Proportional + Cover	715.00
Circuit Boards		
0135-28096	Plug-In Shorted SCR Board	220.00
0135-28095	Plug-In-Proportional Board	250.00
0135-28094	On / Off Main Firing Card	555.00
0135-28132	Trigger Board	250.00
SCRs 480 Vac		
0002-47560	480 Vac SCR 30/50/75 Amp Units	90.00
SCRs 575 Vac		
0002-47561	575 Vac SCR 30/50/75 Amp Units	100.00
0029-00700	Thermstrate Material for SCR Installation	1.00
I²t Fuses for 500 Vac applications		
0024-03015	Fuse 500 Vac 30 Amp Unit	32.00
0024-03085	Fuse 500 Vac 50 Amp Unit	37.00
0024-03072	Fuse 500 Vac 75 Amp Unit	37.00
I²t Fuses for 575 Vac applications		
0024-03033	Fuse 575 Vac 30 Amp Unit	42.00
0024-03137	Fuse 575 Vac 50 Amp Unit	48.00
0024-47561	Fuse 575 Vac 75 Amp Unit	48.00
Filters for CE Applications		
0005-60055	EMI Line Filter for Load Power	48.00
0005-60057	EMI Line Filter for Control Power	170.00

MINIMAX Series SCR Power Controllers

MiniMax 2 Series Three Phase 2-Leg SCR Power Pack

Model

Mmax 2 Three Phase SCR Power Controller Complete with Lugs and I²T Fusing^{1,2}

Code	Control Configuration	Base Price
1	On/Off Standard (Accepts: 120 Vac, 240 Vac, 5 - 32 Vdc, Dry Contact Closure)	\$125.00
2	On/Off Standard with Shorted SCR Detection	\$240.00
3	Proportional Control, DOT Firing (Accepts: 4 - 20 Ma, 1 - 5 Vdc, 0 - 5 Vdc, 0 - 10 Vdc)	\$270.00
4	Proportional Control, DOT Firing with Shorted SCR Detection	\$390.00
Code	Current @ 50° C (122° F) Ambient	Adder
01	30 Amp	\$875.00
02	50 Amp	\$1,070.00
03	75 Amp	\$1,165.00
Code	Line Voltage ¹	Adder
1	120 - 480 Vac	N/C
2	575 Vac	\$150.00
Code	Instrument Power	Adder
1	120 Vac 50/60 Hz	N/C
Code	Remote Manual Adjust/Auto Manual Switch	Adder
0	None	
1	Pot with 0 - 100% dial and local/Remote Switch, Single Turn 1K ohm Potentiometer	N/C \$80.00
Code	Add to Complete Model Number	
G		

Mmax2-3 01 1 1 0 G Typical Model Number (Mmax2-301110G)

Notes:

¹SCR Fusing is for semiconductor protection only, not wire protection.

²575 Volt fusing supplied loose for customer mounting

ACCESSORIES

Part Number	Description	Price
Circuit Board Kits		
0135-28135	Main + Shorted SCR + Proportional + Cover	790.00
0135-28139	Main + Proportional + Cover	715.00
Circuit Boards		
0135-28096	Plug-In Shorted SCR Board	220.00
0135-28095	Plug-In-Proportional Board	250.00
0135-28094	On / Off Main Firing Card	555.00
0135-28132	Trigger Board	250.00
SCRs 480 Vac		
0002-47560	480 Vac SCR 30/50/75 Amp Units	90.00
SCRs 575 Vac		
0002-47561	575 Vac SCR 30/50/75 Amp Units	100.00
0029-00700	Thermstrate Material for SCR Installation	1.00
I²t Fuses for 500 Vac applications		
0024-03015	Fuse 500 Vac 30 Amp Unit	32.00
0024-03085	Fuse 500 Vac 50 Amp Unit	37.00
0024-03072	Fuse 500 Vac 75 Amp Unit	37.00
I²t Fuses for 575 Vac applications		
0024-03033	Fuse 575 Vac 30 Amp Unit	42.00
0024-03137	Fuse 575 Vac 50 Amp Unit	48.00
0024-47561	Fuse 575 Vac 75 Amp Unit	48.00
Filters for CE Applications		
0005-60056	EMI Line Filter for Load Power	74.00
0005-60057	EMI Line Filter for Control Power	170.00

MINIMAX Series SCR Power Controllers

MiniMax 3 Series Three Phase 3-Leg SCR Power Pack

Model

Mmax 3 Three Phase SCR Power Controller Complete with Lugs and I²T Fusing^{1,2}

Code	Control Configuration	Base Price
1	On/Off Standard (Accepts: 120 Vac, 240 Vac, 5 - 32 Vdc, Dry Contact Closure)	\$125.00
2	On/Off Standard with Shorted SCR Detection	\$240.00
3	Proportional Control, DOT Firing (Accepts: 4 - 20 Ma, 1 - 5 Vdc, 0 - 5 Vdc, 0 - 10 Vdc)	\$270.00
4	Proportional Control, DOT Firing with Shorted SCR Detection	\$390.00
Code	Current @ 50° C (122° F) Ambient	Adder
01	30 Amp	\$1,545.00
02	50 Amp	\$1,630.00
03	75 Amp	\$1,715.00
Code	Line Voltage ¹	Adder
1	120 - 480 Vac	N/C
2	575 Vac	\$200.00
Code	Instrument Power	Adder
1	120 Vac 50/60 Hz	N/C
Code	Remote Manual Adjust/Auto Manual Switch	Adder
0	None	
1	Pot with 0 - 100% dial and local/Remote Switch, Single Turn 1K ohm Potentiometer	\$80.00
Code		
G	Add to Complete Model Number	

Mmax3-3 01 1 1 0 G Typical Model Number (Mmax3-301110G)

Notes:

¹SCR Fusing is for semiconductor protection only, not wire protection.

²575 Volt fusing supplied loose for customer mounting

ACCESSORIES

Part Number	Description	Price
Circuit Board Kits		
0135-28135	Main + Shorted SCR + Proportional + Cover	790.00
0135-28139	Main + Proportional + Cover	715.00
Circuit Boards		
0135-28096	Plug-In Shorted SCR Board	220.00
0135-28095	Plug-In-Proportional Board	250.00
0135-28094	On / Off Main Firing Card	555.00
0135-28132	Trigger Board	250.00
SCRs 480 Vac		
0002-47560	480 Vac SCR 30/50/75 Amp Units	90.00
SCRs 575 Vac		
0002-47561	575 Vac SCR 30/50/75 Amp Units	100.00
0029-00700	Thermstrate Material for SCR Installation	1.00
I²T Fuses for 500 Vac applications		
0024-03015	Fuse 500 Vac 30 Amp Unit	32.00
0024-03085	Fuse 500 Vac 50 Amp Unit	37.00
0024-03072	Fuse 500 Vac 75 Amp Unit	37.00
I²T Fuses for 575 Vac applications		
0024-03033	Fuse 575 Vac 30 Amp Unit	42.00
0024-03137	Fuse 575 Vac 50 Amp Unit	48.00
0024-47561	Fuse 575 Vac 75 Amp Unit	48.00
Filters for CE Applications		
0005-60056	EMI Line Filter for Load Power	74.00
0005-60057	EMI Line Filter for Control Power	170.00

MaxPac Series SCR Power Controllers

MaxPac IP™

Model

MXPC IP Single Phase SCR Power Pak

Code	Control Configuration	Base Price
1	Phase Angle Control (Accepts: 0 - 5 mA, 0 - 20mA, 0 - 50mA, 1 - 5 mA, 4 - 20mA, 10 - 50mA, 0 - 5Vdc, 0 - 10Vdc)	\$125.00
2	Phase Angle Control with Current Limit	\$240.00
Code	Current @ 50° C (122° F)	Adder
01	100 Amp Open Design	\$1,190.00
02	100 Amp Touch Safe Design	\$1,465.00
03	150 Amp Open Design	\$1,520.00
04	150 Amp Touch Safe Design	\$1,825.00
05	200 Amp Open Design	\$1,575.00
06	200 Amp Touch Safe Design	\$2,045.00
07	300 Amp Open Design	\$2,095.00
08	300 Amp Touch Safe design	\$2,155.00
09	400 Amp Open Design	\$2,540.00
10	400 Amp Touch Safe design	\$3,090.00
11	550 Amp Open Design	\$3,310.00
12	550 Amp Touch Safe design	\$3,420.00
13	650 Amp Open Design	\$3,530.00
14	650 Amp Touch Safe design	\$3,860.00
15	800 Amp Open Design	\$5,220.00
16	1000 Amp Open Design	\$6,175.00
17	1200 Amp Open Design	\$6,475.00
Code	Voltage	Adder
1	120 Vac	N/C
2	208 Vac	N/C
3	240 Vac	N/C
4	277 Vac	N/C
5	480 Vac	N/C
6	575 Vac	\$110.00
Code	Fan Power	Adder
1	120 Vac 50/60Hz	N/C
2	230 Vac 50/60Hz	N/C
Code	Compression Lug Kits (Open Design up to 300 Amps Only) For other Ranges see Crimp Lug Chart.	Adder
L0	None	N/C
L1	100 - 150 Amp Pak 1(#2 - 4/0) / connection	\$32.00
L2	200 - 300 Amp Pak 1(1/0 - 500mcm) / connection	\$74.00
Code	Fusing Option For < 500 Vac Applications, Select One	Adder
F00	None	
F01	100 - 150 Amp Pak (200 Amp Fuse)	\$21.00
F02	200 Amp Pak (250 Amp Fuse)	\$27.00
F03	300 Amp Pak (400 Amp Fuse)	\$32.00
F04	400 Amp Pak (500 Amp Fuse)	\$37.00
F05	550 Amp Pak (700 Amp Fuse)	\$48.00
F06	650 Amp Pak (800 Amp Fuse)	\$53.00
F07	800 Amp Pak (1000 Amp Fuse)	\$90.00
F08	1000 Amp Pak (1200 Amp Fuse)	\$115.00
F09	1200 Amp Pak (Two 1000 Amp Fuses) (700 V Fuses for 575 V applications, Select One)	\$225.00
F10	100 Amp Pak (125 Amp Fuse)	\$53.00
F11	150 Amp Pak (175 Amp fuse)	\$53.00
F12	200 Amp Pak (250 Amp Fuse)	\$53.00
F13	300 Amp Pak (400 Amp Fuse)	\$84.00
F14	400 Amp Pak (500 Amp Fuse)	\$165.00

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MaxPac Series SCR Power Controllers (continued)

						F15	550 Amp Pak (700 Amp Fuse)		\$200.00
						F16	650 Amp Pak (800 Amp Fuse)		\$200.00
						F17	800 Amp Pak (1000 Amp Fuse)		\$255.00
						F18	1000 Amp Pak (1200 Amp Fuse)		\$455.00
						F19	1200 Amp Pak (Two 1000 Amp Fuses)		\$500.00
						Code	Remote Manual Adjust		Adder
						0	None		N/C
						1	Pot w/ 0 - 100% Dial Single Turn 1K Potentiometer		\$80.00
						Code			
						G	Add to Complete Model Number		

MXPC IP-2 03 1 1 L1 F01 0 G Typical Model Number

ACCESSORIES

Part Number	Description	Price
Circuit Boards		
0135-28002	Control Board 120, 240 Vac	\$640.00
0135-28006	Control Board 208, 277, 480 Vac	\$640.00
0135-28037	Control Board 380 Vac	\$640.00
SCRs 480 Vac		
0002-47560	480 Vac SCR 100/150 Amp Units	\$90.00
0002-47599	480 Vac SCR 200 Amp Units	\$310.00
0002-47537	480 Vac SCR 300/400 Amp Units	\$420.00
0002-47557	480 Vac SCR 550/650 Amp Units	\$580.00
	480 Vac Scr 800/1000/1200 Amp Units	Consult Factory
SCRs 575 Vac		
0002-47561	575 Vac SCR 100-150 Amp Units	\$100.00
0002-47562	575 Vac SCR 200 Amp Unit	\$270.00
0002-47563	575 Vac SCR 300-500 Amp Units	\$475.00
0002-47557	575 Vac SCR 550-650 Amp Units	\$580.00
	575 Vac SCR 800/1000/1200 Amp Units	Consult Factory
0029-00700	Thermstrate 100-150 Amp SCR Units	\$1.00
0029-00822	Thermstrate 200 Amp SCR Unit	\$2.00
0029-00719	Thermstrate 300-400 Amp SCR Units	\$3.00
0029-00814	Thermstrate 550-650 Amp SCR Units	\$5.00
1½ Fuses for 500 Vac applications		
0024-07634	Fuse 500 Vac 200 Amp (100-150 Amp Pak)	\$48.00
0024-07630	Fuse 500 Vac 250 Amp (200 Amp Pak)	\$69.00
0024-07632	Fuse 500 Vac 400 Amp (300 Amp Pak)	\$69.00
0024-03116	Fuse 500 Vac 500 Amp (400 Amp Pak)	\$84.00
0024-07633	Fuse 500 Vac 700 Amp (550 Amp Pak)	\$135.00
0024-03118	Fuse 500 Vac 800 Amp (650 Amp Pak)	\$140.00
0024-03200	Fuse 500 Vac 1000 Amp (800 Amp Pak)	\$520.00
0024-07623	Fuse 500 Vac 1200 Amp (1000 Amp Pak)	\$460.00
0024-03200	2 x Fuse 500 Vac 1000 Amp (1200 Amp Pak)	\$1,040.00
1½ Fuses for 575 Vac applications		
0024-07644	Fuse 575 Vac 125 Amp (100 Amp Pak)	\$160.00
0024-07645	Fuse 575 Vac 175 Amp (150 Amp Pak)	\$160.00
0024-07636	Fuse 575 Vac 250 Amp (200 Amp Pak)	\$260.00
0024-07637	Fuse 575 Vac 400 Amp (300 Amp Pak)	\$260.00
0024-07638	Fuse 575 Vac 500 Amp (400 Amp Pak)	\$350.00
0024-07639	Fuse 575 Vac 700 Amp (550 Amp Pak)	\$435.00
0024-07640	Fuse 575 Vac 800 Amp (650 Amp Pak)	\$435.00
0024-07646	Fuse 575 Vac 1000 Amp (800 Amp Pak)	\$565.00
0024-01191	Fuse 575 Vac 1200 Amp (1000 Amp Pak)	\$765.00
0024-07646	2 x Fuse 575 Vac 1000 Amp (1200 Amp Pak)	\$1,120.00

Crimp Lug Chart

For Open Design 400 - 1200 Amp and all Touch Safe Models

Ogden #	Panduit #	Conductor Size	Price
0135-10002	LCD8-14A-L	#8 AWG	\$15.00
0135-10003	LCD6-14A-L	#6 AWG or #6 Weld	\$15.00
0135-10004	LCD4-14A-L	#4 AWG or #4 Weld	\$15.00
0135-10005	LCD2-56B-Q	#2 AWG	\$20.00
0135-10006	LCD1-56C-E	#1 AWG or #2 Weld	\$20.00
0135-10007	LCD1/0-12-X	#1/0 AWG or #1 Weld	\$20.00
0135-10008	LCD2/0-12-X	#2/0 AWG or #1/0 Weld	\$25.00
0135-10009	LCD3/0-12-X	#3/0 AWG or #2/0 Weld	\$25.00
0135-10010	LCD4/0-12-X	#4/0 AWG or #3/0 Weld	\$30.00
0135-10011	LCD250-12-X	250 MCM or #4/0 Weld	\$35.00
0135-10012	LCD300-12-X	300 MCM	\$40.00
0135-10013	LCD350-12-6	350 MCM	\$40.00
0135-10014	LCD400-12-6	400 MCM	\$50.00
0135-10015	LCD500-12-6	500 MCM	\$60.00

Single Phase Design requires 1 crimp lug/circuit
Crimp lug size depends on customer selected wire size

MaxPac Series SCR Power Controllers

MaxPac I™

Model

MXPC I Single Phase Zero-Cross Firing SCR Power Pak

Code	Control Configuration	Base Price
1	On/Off Standard (Accepts: 120Vac, 240Vac, 5 - 32Vdc, Dry Contact Closure)	N/C
2	On/Off Control with Shorted SCR Detection	\$125.00
3	Proportional Control, DOT Firing (Accepts: 4 - 20mA, 1 - 5Vdc, 0 - 5Vdc, 0 - 10Vdc)	\$155.00
4	Proportional Control, DOT Firing with Shorted SCR Detection	\$280.00
Code	Current @ 50° C (122° F)	Adder
01	100 Amp Open Design	\$1,165.00
02	100 Amp Touch Safe Design	\$1,385.00
03	150 Amp Open Design	\$1,435.00
04	150 Amp Touch Safe Design	\$1,765.00
05	200 Amp Open Design	\$1,545.00
06	200 Amp Touch Safe Design	\$1,875.00
07	300 Amp Open Design	\$1,655.00
08	300 Amp Touch Safe design	\$1,935.00
09	400 Amp Open Design	\$2,430.00
10	400 Amp Touch Safe design	\$3,035.00
11	550 Amp Open Design	\$2,485.00
12	550 Amp Touch Safe design	\$3,200.00
13	650 Amp Open Design	\$2,650.00
14	650 Amp Touch Safe design	\$3,310.00
15	800 Amp Open Design	\$4,855.00
16	1000 Amp Open Design	\$5,450.00
17	1200 Amp Open Design	\$5,750.00
Code	Line Voltage	Adder
1	120 Vac - 480 Vac	N/C
2	575 Vac	\$110.00
Code	Instrument Power	Adder
1	120 Vac 50/60Hz	N/C
2	230 Vac 50/60Hz	N/C
Code	Compression Lug Kits (Open Design up to 300 Amps Only) For other Ranges see Crimp Lug Chart.	Adder
L0	None (Select for all touch safe designs and for over 300 Amp open design)	N/C
L1	100 - 150 Amp Pak 1(#2 - 4/0) / Connection	\$32.00
L2	200 - 300 Amp Pak 1(1/0 - 500mcm) / Connection	\$74.00
Code	Fusing Option (500 V Fuses for < 500 Vac Applications. Select One)	Adder
F00	None	N/C
F01	100 - 150 Amp Pak (200 Amp Fuse)	\$21.00
F02	200 Amp Pak (250 Amp Fuse)	\$27.00
F03	300 Amp Pak (400 Amp Fuse)	\$32.00
F04	400 Amp Pak (500 Amp Fuse)	\$37.00
F05	550 Amp Pak (700 Amp Fuse)	\$48.00
F06	650 Amp Pak (800 Amp Fuse)	\$53.00
F07	800 Amp Pak (1000 Amp Fuse)	\$90.00
F08	1000 Amp Pak (1200 Amp Fuse)	\$115.00
F09	1200 Amp Pak (Two 1000 Amp Fuses)	\$225.00
	(700 V Fuses for 575 V applications, Select One).	
F10	100 Amp Pak (125 Amp Fuse)	\$53.00
F11	150 Amp Pak (175 Amp Fuse)	\$53.00
F12	200 Amp Pak (250 Amp Fuse)	\$53.00
F13	300 Amp Pak (400 Amp Fuse)	\$84.00
F14	400 Amp Pak (500 Amp Fuse)	\$165.00
F15	550 Amp Pak (700 Amp Fuse)	\$200.00
F16	650 Amp Pak (800 Amp Fuse)	\$200.00
F17	800 Amp Pak (1000 Amp Fuse)	\$255.00
F18	1000 Amp Pak (1200 Amp Fuse)	\$455.00
F19	1200 Amp Pak (Two 1000 Amp Fuses)	\$500.00

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MaxPac Series SCR Power Controllers (continued)

							Code	Remote Manual Adjust/Auto Manual Switch	Adder
							0	None	N/C
							1	Pot w/ 0 - 100% Dial and Local / Remote Switch	\$80.00
								Single Turn 1K Potentiometer (Proportional Control Only)	
								(Supplied loose for customer mounting)	
							Code		
							G	Add to Complete Model Number	
MXPC I-2	03	1	1	L1	F01	0	G	Typical Model Number	

ACCESSORIES

Part Number	Description	Price
Circuit Board Kits		
0135-28135	Main + Shorted SCR + Proportional + Cover	\$790.00
0135-28139	Main + Proportional + Cover	\$715.00
Circuit Boards		
0135-28096	Plug-In Shorted SCR Board	\$220.00
0135-28095	Plug-In Proportional Board	\$250.00
0135-28094	On / Off Main Firing Card	\$555.00
0135-28132	Trigger Board (100-150 Amp Units)	\$250.00
0135-28133	Trigger Board (200-650 Amp Units)	\$250.00
	Trigger Board (800-1200 Amp Units)	Consult Factory
SCRs 480 Vac		
0002-47560	480 Vac SCR 100-150 Amp Units	\$90.00
0002-47559	480 Vac SCR 200 Amp Units	\$260.00
0002-47537	480 Vac SCR 300-400 Amp Units	\$420.00
0002-47557	480 Vac SCR 550-650 Amp Units	\$580.00
0002-47566	Trigger Board (800-1200 Amp Units)	\$825.00
SCRs 575 Vac		
0002-47561	575 Vac SCR 100-150 Amp Units	\$100.00
0002-47562	575 Vac SCR 200 Amp Unit	\$270.00
0002-47563	575 Vac SCR 300-500 Amp Units	\$475.00
0002-47557	575 Vac SCR 550-650 Amp Units	\$580.00
	575 Vac SCR 800/1000/1200 Amp Units	Consult Factory
0029-00700	Thermstrate 100-150 Amp SCR Units	\$1.00
0029-00822	Thermstrate 200 Amp SCR Unit	\$2.00
0029-00719	Thermstrate 300-400 Amp SCR Units	\$3.00
0029-00814	Thermstrate 550-650 Amp SCR Units	\$5.00
1pt Fuses for 500 Vac applications		
0024-07634	Fuse 500 Vac 200 Amp (100-150 Amp Pak)	\$48.00
0024-07630	Fuse 500 Vac 250 Amp (200 Amp Pak)	\$69.00
0024-07632	Fuse 500 Vac 400 Amp (300 Amp Pak)	\$69.00
0024-03116	Fuse 500 Vac 500 Amp (400 Amp Pak)	\$84.00
0024-07633	Fuse 500 Vac 700 Amp (550 Amp Pak)	\$135.00
0024-03118	Fuse 500 Vac 800 Amp (650 Amp Pak)	\$140.00
0024-03200	Fuse 500 Vac 1000 Amp (800 Amp Pak)	\$520.00
0024-07623	Fuse 500 Vac 1200 Amp (1000 Amp Pak)	\$460.00
0024-03200	2 x Fuse 500 Vac 1000 Amp (1200 Amp Pak)	\$1,040.00
1pt Fuses for 575 Vac applications		
0024-07644	Fuse 575 Vac 125 Amp (100 Amp Pak)	\$160.00
0024-07645	Fuse 575 Vac 175 Amp (150 Amp Pak)	\$160.00
0024-07636	Fuse 575 Vac 250 Amp (200 Amp Pak)	\$260.00
0024-07637	Fuse 575 Vac 400 Amp (300 Amp Pak)	\$260.00
0024-07638	Fuse 575 Vac 500 Amp (400 Amp Pak)	\$350.00
0024-07639	Fuse 575 Vac 700 Amp (550 Amp Pak)	\$435.00
0024-07640	Fuse 575 Vac 800 Amp (650 Amp Pak)	\$435.00
0024-07646	Fuse 575 Vac 1000 Amp (800 Amp Pak)	\$565.00
0024-01191	Fuse 575 Vac 1200 Amp (1000 Amp Pak)	\$765.00
0024-07646	2 x Fuse 575 Vac 1000 Amp (1200 Amp Pak)	\$1,120.00
Filters for CE Applications		
0005-60055	EMI Line Filter for Load Power	\$48.00
0005-60057	EMI Line Filter for Control Power	\$170.00

Crimp Lug Chart

For Open Design 400 - 1200 Amp and all Touch Safe Models

Ogden #	Panduit #	Conductor Size	Price
0135-10002	LCD8-14A-L	#8 AWG	\$15.00
0135-10003	LCD6-14A-L	#6 AWG or #6 Weld	\$15.00
0135-10004	LCD4-14A-L	#4 AWG or #4 Weld	\$15.00
0135-10005	LCD2-56B-Q	#2 AWG	\$20.00
0135-10006	LCD1-56C-E	#1 AWG or #2 Weld	\$20.00
0135-10007	LCD1/0-12-X	#1/0 AWG or #1 Weld	\$20.00
0135-10008	LCD2/0-12-X	#2/0 AWG or #1/0 Weld	\$25.00
0135-10009	LCD3/0-12-X	#3/0 AWG or #2/0 Weld	\$25.00
0135-10010	LCD4/0-12-X	#4/0 AWG or #3/0 Weld	\$30.00
0135-10011	LCD250-12-X	250 MCM or #4/0 Weld	\$35.00
0135-10012	LCD300-12-X	300 MCM	\$40.00
0135-10013	LCD350-12-6	350 MCM	\$40.00
0135-10014	LCD400-12-6	400 MCM	\$50.00
0135-10015	LCD500-12-6	500 MCM	\$60.00

Single Phase Design requires 1 crimp lug/circuit
Crimp lug size depends on customer selected wire size

MaxPac Series SCR Power Controllers

MaxPac II™

Model

MXPC II Three Phase 2-Leg Zero-Cross Firing SCR Power Pak

Code	Control Configuration	Base Price
1	On/Off Standard (Accepts: 120Vac, 240Vac, 5 - 32Vdc, Dry Contact Closure)	N/C
2	On/Off Control with Shorted SCR Detection	\$125.00
3	Proportional Control, DOT Firing (Accepts: 4 - 20mA, 1 - 5Vdc, 0 - 5Vdc, 0 - 10Vdc)	\$155.00
4	Proportional Control, DOT Firing with Shorted SCR Detection	\$280.00
Code	Current @ 50° C (122° F)	Adder
01	100 Amp Open Design	\$1,605.00
02	100 Amp Touch Safe Design	\$2,045.00
03	150 Amp Open Design	\$2,205.00
04	150 Amp Touch Safe Design	\$2,650.00
05	200 Amp Open Design	\$2,430.00
06	200 Amp Touch Safe Design	\$2,980.00
07	300 Amp Open Design	\$3,090.00
08	300 Amp Touch Safe design	\$3,420.00
09	400 Amp Open Design	\$4,635.00
10	400 Amp Touch Safe design	\$5,240.00
11	550 Amp Open Design	\$5,425.00
12	550 Amp Touch Safe design	\$5,850.00
13	650 Amp Open Design	\$5,975.00
14	650 Amp Touch Safe design	\$6,525.00
15	800 Amp Open Design	\$8,825.00
16	1000 Amp Open Design	\$9,425.00
17	1200 Amp Open Design	\$11,025.00
Code	Line Voltage	Adder
1	120 Vac - 480 Vac	N/C
2	575 Vac	\$150.00
Code	Instrument Power	Adder
1	120 Vac 50/60Hz	N/C
2	230 Vac 50/60Hz	N/C
Code	Compression Lug Kits (Open Design up to 300 Amps Only) For other Ranges see Crimp Lug Chart.	Adder
L0	None (Select for all touch safe designs and for over 300 Amp open design)	N/C
L1	100 - 150 Amp Pak 1(#2 - 4/0) / Connection	\$69.00
L2	200 - 300 Amp Pak 1(1/0 - 500mcm) / Connection	\$150.00
Code	Fusing Option(500 V Fuses for < 500 Vac Applications.Select One)	Adder
F00	None	N/C
F01	100 - 150 Amp Pak (200 Amp Fuse)	\$79.00
F02	200 Amp Pak (250 Amp Fuse)	\$105.00
F03	300 Amp Pak (400 Amp Fuse)	\$105.00
F04	400 Amp Pak (500 Amp Fuse)	\$145.00
F05	550 Amp Pak (700 Amp Fuse)	\$145.00
F06	650 Amp Pak (800 Amp Fuse)	\$260.00
F07	800 Amp Pak (1000 Amp Fuse)	\$500.00
F08	1000 Amp Pak (1200 Amp Fuse)	\$500.00
F09	1200 Amp Pak (Two 1000 Amp Fuses)	\$975.00
(700 V Fuses for 575 V applications, Select One).		
F10	100 Amp Pak (125 Amp Fuse)	\$115.00
F11	150 Amp Pak (175 Amp Fuse)	\$115.00
F12	200 Amp Pak (250 Amp Fuse)	\$115.00
F13	300 Amp Pak (400 Amp Fuse)	\$180.00
F14	400 Amp Pak (500 Amp Fuse)	\$330.00
F15	550 Amp Pak (700 Amp Fuse)	\$400.00
F16	650 Amp Pak (800 Amp Fuse)	\$400.00
F17	800 Amp Pak (1000 Amp Fuse)	\$510.00
F18	1000 Amp Pak (1200 Amp Fuse)	\$900.00
F19	1200 Amp Pak (Two 1000 Amp Fuses)	\$1,010.00

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MaxPac Series SCR Power Controllers (continued)

							Code	Remote Manual Adjust/Auto Manual Switch	Adder
							0	None	N/C
							1	Pot w/ 0 - 100% Dial and Local/Remote Switch Single Turn 1K Potentiometer (Proportional Control Only) (Supplied loose for customer mounting)	\$80.00
							Code		
							G	Add to Complete Model Number	
MXPC II-2	03	1	1	L1	F01	0	G	Typical Model Number	

ACCESSORIES

Part Number	Description	Price
Circuit Board Kits		
0135-28135	Main + Shorted SCR + Proportional + Cover	\$790.00
0135-28139	Main + Proportional + Cover	\$715.00
Circuit Boards		
0135-28096	Plug-In Shorted SCR Board	\$220.00
0135-28095	Plug-In Proportional Board	\$250.00
0135-28094	On / Off Main Firing Card	\$555.00
0135-28132	Trigger Board (100-150 Amp Units)	\$250.00
0135-28133	Trigger Board (200-650 Amp Units)	\$250.00
	Trigger Board (800-1200 Amp Units)	Consult Factory
SCRs 480 Vac		
0002-47560	480 Vac SCR 100-150 Amp Units	\$90.00
0002-47559	480 Vac SCR 200 Amp Units	\$260.00
0002-47537	480 Vac SCR 300-400 Amp Units	\$420.00
0002-47557	480 Vac SCR 550-650 Amp Units	\$580.00
0002-47566	480 Vac Scr 800/1000/1200 Amp Units	\$825.00
SCRs 575 Vac		
0002-47561	575 Vac SCR 100-150 Amp Units	\$100.00
0002-47562	575 Vac SCR 200 Amp Unit	\$270.00
0002-47563	575 Vac SCR 300-500 Amp Units	\$475.00
0002-47557	575 Vac SCR 550-650 Amp Units	\$580.00
	575 Vac SCR 800/1000/1200 Amp Units	Consult Factory
0029-00700	Thermstrate 100-150 Amp SCR Units	\$1.00
0029-00822	Thermstrate 200 Amp SCR Unit	\$2.00
0029-00719	Thermstrate 300-400 Amp SCR Units	\$3.00
0029-00814	Thermstrate 550-650 Amp SCR Units	\$5.00
† Fuses for 500 Vac applications		
0024-07634	Fuse 500 Vac 200 Amp (100-150 Amp Pak)	\$48.00
0024-07630	Fuse 500 Vac 250 Amp (200 Amp Pak)	\$69.00
0024-07632	Fuse 500 Vac 400 Amp (300 Amp Pak)	\$69.00
0024-03116	Fuse 500 Vac 500 Amp (400 Amp Pak)	\$84.00
0024-07633	Fuse 500 Vac 700 Amp (550 Amp Pak)	\$135.00
0024-03118	Fuse 500 Vac 800 Amp (650 Amp Pak)	\$140.00
0024-03200	Fuse 500 Vac 1000 Amp (800 Amp Pak)	\$520.00
0024-07623	Fuse 500 Vac 1200 Amp (1000 Amp Pak)	\$460.00
0024-03200	2 x Fuse 500 Vac 1000 Amp (1200 Amp Pak)	\$1,040.00
† Fuses for 575 Vac applications		
0024-07644	Fuse 575 Vac 125 Amp (100 Amp Pak)	\$160.00
0024-07645	Fuse 575 Vac 175 Amp (150 Amp Pak)	\$160.00
0024-07636	Fuse 575 Vac 250 Amp (200 Amp Pak)	\$260.00
0024-07637	Fuse 575 Vac 400 Amp (300 Amp Pak)	\$260.00
0024-07638	Fuse 575 Vac 500 Amp (400 Amp Pak)	\$350.00
0024-07639	Fuse 575 Vac 700 Amp (550 Amp Pak)	\$435.00
0024-07640	Fuse 575 Vac 800 Amp (650 Amp Pak)	\$435.00
0024-07646	Fuse 575 Vac 1000 Amp (800 Amp Pak)	\$565.00
0024-01191	Fuse 575 Vac 1200 Amp (1000 Amp Pak)	\$765.00
0024-07646	2 x Fuse 575 Vac 1000 Amp (1200 Amp Pak)	\$1,120.00
Filters for CE Applications		
0005-60056	EMI Line Filter for Load Power	\$74.00
0005-60057	EMI Line Filter for Control Power	\$170.00

Crimp Lug Chart

For Open Design 400 - 1200 Amp and all Touch Safe Models

Ogden #	Panduit #	Conductor Size	Price
0135-10002	LCD8-14A-L	#8 AWG	\$15.00
0135-10003	LCD6-14A-L	#6 AWG or #6 Weld	\$15.00
0135-10004	LCD4-14A-L	#4 AWG or #4 Weld	\$15.00
0135-10005	LCD2-56B-Q	#2 AWG	\$20.00
0135-10006	LCD1-56C-E	#1 AWG or #2 Weld	\$20.00
0135-10007	LCD1/0-12-X	#1/0 AWG or #1 Weld	\$20.00
0135-10008	LCD2/0-12-X	#2/0 AWG or #1/0 Weld	\$25.00
0135-10009	LCD3/0-12-X	#3/0 AWG or #2/0 Weld	\$25.00
0135-10010	LCD4/0-12-X	#4/0 AWG or #3/0 Weld	\$30.00
0135-10011	LCD250-12-X	250 MCM or #4/0 Weld	\$35.00
0135-10012	LCD300-12-X	300 MCM	\$40.00
0135-10013	LCD350-12-6	350 MCM	\$40.00
0135-10014	LCD400-12-6	400 MCM	\$50.00
0135-10015	LCD500-12-6	500 MCM	\$60.00

Two-Leg Three Phase design requires 2 crimp lug/circuit
Crimp lug size depends on customer's selected wire size.

MaxPac Series SCR Power Controllers

MaxPac III™

Model

MXPC III Three Phase Six-SCR Zero-Cross Firing SCR Power Pak

Code	Control Configuration	Base Price
1	On/Off Standard (Accepts: 120Vac, 240Vac, 5 - 32Vdc, Dry Contact Closure)	N/C
2	On/Off Control with Shorted SCR Detection	\$125.00
3	Proportional Control, DOT Firing (Accepts: 4 - 20mA, 1 - 5Vdc, 0 - 5Vdc, 0 - 10Vdc)	\$155.00
4	Proportional Control, DOT Firing with Shorted SCR Detection	\$280.00
Code	Current @ 50° C (122° F)	Adder
01	100 Amp Open Design	\$1,935.00
02	100 Amp Touch Safe Design	\$2,540.00
03	150 Amp Open Design	\$2,870.00
04	150 Amp Touch Safe Design	\$3,750.00
05	200 Amp Open Design	\$3,145.00
06	200 Amp Touch Safe Design	\$4,190.00
07	300 Amp Open Design	\$3,860.00
08	300 Amp Touch Safe design	\$4,635.00
09	400 Amp Open Design	\$6,075.00
10	400 Amp Touch Safe design	\$7,450.00
11	550 Amp Open Design	\$6,625.00
12	550 Amp Touch Safe design	\$8,050.00
13	650 Amp Open Design	\$8,275.00
14	650 Amp Touch Safe design	\$8,825.00
15	800 Amp Open Design	\$12,225.00
16	1000 Amp Open Design	\$15,300.00
17	1200 Amp Open Design	\$16,925.00
Code	Line Voltage	Adder
1	120 Vac - 480 Vac	N/C
2	575 Vac	\$200.00
Code	Instrument Power	Adder
1	120 Vac 50/60Hz	N/C
2	230 Vac 50/60Hz	N/C
Code	Compression Lug Kits (Open Design up to 200 Amps Only) For other Ranges see Crimp Lug Chart.	Adder
L0	None (Select for all touch safe designs and for over 200 Amp open design)	N/C
L1	100 - 150 Amp Pak 1(#2 - 4/0) / Connection	\$115.00
L2	200 Amp Pak 1(1/0 - 500mcm) / Connection	\$225.00
Code	Fusing Option(500 V Fuses for < 500 Vac Applications.Select One)	Adder
F00	None	N/C
F01	100 - 150 Amp Pak (200 Amp Fuse)	\$130.00
F02	200 Amp Pak (250 Amp Fuse)	\$155.00
F03	300 Amp Pak (400 Amp Fuse)	\$155.00
F04	400 Amp Pak (500 Amp Fuse)	\$225.00
F05	550 Amp Pak (700 Amp Fuse)	\$390.00
F06	650 Amp Pak (800 Amp Fuse)	\$390.00
F07	800 Amp Pak (1000 Amp Fuse)	\$720.00
F08	1000 Amp Pak (1200 Amp Fuse)	\$720.00
F09	1200 Amp Pak (Two 1000 Amp Fuses)	\$1,435.00
	(700 V Fuses for 575 V applications, Select One).	
F10	100 Amp Pak (125 Amp Fuse)	\$170.00
F11	150 Amp Pak (175 Amp Fuse)	\$170.00
F12	200 Amp Pak (250 Amp Fuse)	\$170.00
F13	300 Amp Pak (400 Amp Fuse)	\$260.00
F14	400 Amp Pak (500 Amp Fuse)	\$535.00
F15	550 Amp Pak (700 Amp Fuse)	\$600.00
F16	650 Amp Pak (800 Amp Fuse)	\$600.00
F17	800 Amp Pak (1000 Amp Fuse)	\$775.00
F18	1000 Amp Pak (1200 Amp Fuse)	\$1,385.00
F19	1200 Amp Pak (Two 1000 Amp Fuses)	\$1,545.00

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MaxPac Series SCR Power Controllers (continued)

						Code	Remote Manual Adjust/Auto Manual Switch	Adder
						0	None	N/C
						1	Pot w/ 0 - 100% Dial and Local/Remote Switch Single Turn 1K Potentiometer (Proportional Control Only) (Supplied loose for customer mounting)	\$80.00
						Code		
						G	Add to Complete Model Number	
MXPC III-2	03	1	1	L1	F01	0	G	Typical Model Number

ACCESSORIES

Part Number	Description	Price
Circuit Board Kits		
0135-28135	Main + Shorted SCR + Proportional + Cover	\$790.00
0135-28139	Main + Proportional + Cover	\$715.00
Circuit Boards		
0135-28096	Plug-In Shorted SCR Board	\$220.00
0135-28095	Plug-In Proportional Board	\$250.00
0135-28094	On / Off Main Firing Card	\$560.00
0135-28132	Trigger Board (100-150 Amp Units)	\$250.00
0135-28133	Trigger Board (200-650 Amp Units)	\$250.00
	Trigger Board (800-1200 Amp Units)	Consult Factory
SCRs 480 Vac		
0002-47560	480 Vac SCR 100-150 Amp Units	\$90.00
0002-47559	480 Vac SCR 200 Amp Units	\$260.00
0002-47537	480 Vac SCR 300-400 Amp Units	\$420.00
0002-47557	480 Vac SCR 550-650 Amp Units	\$580.00
0002-47566	480 Vac Scr 800/1000/1200 Amp Units	\$825.00
SCRs 575 Vac		
0002-47561	575 Vac SCR 100-150 Amp Units	\$100.00
0002-47562	575 Vac SCR 200 Amp Unit	\$270.00
0002-47563	575 Vac SCR 300-500 Amp Units	\$475.00
0002-47557	575 Vac SCR 550-650 Amp Units	\$580.00
	575 Vac SCR 800/1000/1200 Amp Units	Consult Factory
0029-00700	Thermstrate 100-150 Amp SCR Units	\$1.00
0029-00822	Thermstrate 200 Amp SCR Unit	\$2.00
0029-00719	Thermstrate 300-400 Amp SCR Units	\$3.00
0029-00814	Thermstrate 550-650 Amp SCR Units	\$5.00
1/2" Fuses for 500 Vac applications		
0024-07634	Fuse 500 Vac 200 Amp (100-150 Amp Pak)	\$48.00
0024-07630	Fuse 500 Vac 250 Amp (200 Amp Pak)	\$69.00
0024-07632	Fuse 500 Vac 400 Amp (300 Amp Pak)	\$69.00
0024-03116	Fuse 500 Vac 500 Amp (400 Amp Pak)	\$84.00
0024-07633	Fuse 500 Vac 700 Amp (550 Amp Pak)	\$135.00
0024-03118	Fuse 500 Vac 800 Amp (650 Amp Pak)	\$140.00
0024-03200	Fuse 500 Vac 1000 Amp (800 Amp Pak)	\$520.00
0024-07623	Fuse 500 Vac 1200 Amp (1000 Amp Pak)	\$460.00
0024-03200	2 x Fuse 500 Vac 1000 Amp (1200 Amp Pak)	\$1,040.00
1/2" Fuses for 575 Vac applications		
0024-07644	Fuse 575 Vac 125 Amp (100 Amp Pak)	\$160.00
0024-07645	Fuse 575 Vac 175 Amp (150 Amp Pak)	\$160.00
0024-07636	Fuse 575 Vac 250 Amp (200 Amp Pak)	\$260.00
0024-07637	Fuse 575 Vac 400 Amp (300 Amp Pak)	\$260.00
0024-07638	Fuse 575 Vac 500 Amp (400 Amp Pak)	\$350.00
0024-07639	Fuse 575 Vac 700 Amp (550 Amp Pak)	\$435.00
0024-07640	Fuse 575 Vac 800 Amp (650 Amp Pak)	\$435.00
0024-07646	Fuse 575 Vac 1000 Amp (800 Amp Pak)	\$565.00
0024-01191	Fuse 575 Vac 1200 Amp (1000 Amp Pak)	\$765.00
0024-07646	2 x Fuse 575 Vac 1000 Amp (1200 Amp Pak)	\$1,120.00
Filters for CE Applications		
0005-60056	EMI Line Filter for Load Power	\$74.00
0005-60057	EMI Line Filter for Control Power	\$170.00

Crimp Lug Chart

For Open Design 300 - 1200 Amp and all Touch Safe Models

Ogden #	Panduit #	Conductor Size	Price
0135-10002	LCD8-14A-L	#8 AWG	\$15.00
0135-10003	LCD6-14A-L	#6 AWG or #6 Weld	\$15.00
0135-10004	LCD4-14A-L	#4 AWG or #4 Weld	\$15.00
0135-10005	LCD2-56B-Q	#2 AWG	\$20.00
0135-10006	LCD1-56C-E	#1 AWG or #2 Weld	\$20.00
0135-10007	LCD1/0-12-X	#1/0 AWG or #1 Weld	\$20.00
0135-10008	LCD2/0-12-X	#2/0 AWG or #1/0 Weld	\$25.00
0135-10009	LCD3/0-12-X	#3/0 AWG or #2/0 Weld	\$25.00
0135-10010	LCD4/0-12-X	#4/0 AWG or #3/0 Weld	\$30.00
0135-10011	LCD250-12-X	250 MCM or #4/0 Weld	\$35.00
0135-10012	LCD300-12-X	300 MCM	\$40.00
0135-10013	LCD350-12-6	350 MCM	\$40.00
0135-10014	LCD400-12-6	400 MCM	\$50.00
0135-10015	LCD500-12-6	500 MCM	\$60.00

Three Phase Three-Leg design requires 3 crimp lugs per circuit
Crimp lug size depends on type of wire customer uses.

SSR Series Solid State Relays

Model			
SSR	Single Phase SSR		
Code	Current @ 25° C (77° F) Ambient, 42 - 600 Vac		Base Price
25	25 Amp		\$65.00
50	50 Amp		\$75.00
75	75 Amp		\$105.00
Code	Input Control Voltage		Adder
1	4.5 - 32 Vdc		N/C
2	24 - 265 Vac or 24 - 190 Vdc		\$15.00
Code			
G	Add to Complete Model Number		
SSR-	25	1	G
Typical Model Number (SRR-251G)			
ACCESSORIES			
Part Number	Description		Price
0002-70021	MOV		5.00
0135-28144	LM-2 Solid State Relay Driver (PCN-341260)		130.00
0029-00640	Thermal Grease (PCN-389976)		5.00

Model			
SSR1	Single Phase SSR with Heatsink		
Code	Current @ 40° C (104° F) Ambient, 42 - 600 Vac		Base Price
25	25 Amp		\$105.00
35	35 Amp		\$145.00
50	50 Amp		\$175.00
75	75 Amp		\$205.00
Code	Input Control Voltage		Adder
1	4.5 - 32 Vdc		N/C
2	24 - 265 Vac or 24 - 190 Vdc		\$15.00
Code			
G	Add to Complete Model Number		
SSR1-	25	1	G
Typical Model Number (SSR1-251G)			
ACCESSORIES			
Part Number	Description		Price
0002-70021	MOV		5.00
0135-28144	LM-2 Solid State Relay Driver (PCN-341260)		130.00

SSR Series Solid State Relays

Model

SSR1P Single Phase, Phase Fired Solid State Relay with Heatsink

Code	Current @ 40° C (104° F) Ambient	Base Price
25	25 Amp	\$155.00
35	35 Amp	\$195.00
50	50 Amp	\$260.00
70	70 Amp	\$290.00

Code	Voltage	Adder
1	230 Vac	N/C
2	600 Vac	\$25.00

Code	Input Control Signal	Adder
1	4 - 20 mA	N/C

Code	Add to Complete Model Number	
G		

SSR1P- 25	1	1	G	Typical Model Number (SSR1P-2511G)
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Model

SSR2 Three Phase 2-Leg SSR with Heatsink

Code	Current @ 40° C (104° F) Ambient, 42 - 600 Vac	Base Price
25	25 Amp	\$200.00
50	50 Amp Fan cooled	\$410.00
75	75 Amp Fan cooled	\$480.00

Code	Input Control Voltage	Adder
1	4.5 - 32 Vdc	N/C
2	24 - 265 Vac or 24 - 190 Vdc	\$15.00

Code	Add to Complete Model Number	
G		

SSR2- 25	1	G	Typical Model Number (SSR-251G)
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Note

Fan cooled units require 120 Vac.

ACCESSORIES

Part Number	Description	Price
0002-70021	MOV	5.00
0135-28144	LM-2 Solid State Relay Driver (PCN-341260)	130.00

SSR Series Solid State Relays

Model

SSR3 Three Phase 3-Leg SSR with Heatsink

Code	Current @ 40° C (104° F) Ambient, 42 - 600 Vac	Base Price
15	15 Amp	\$285.00
25	25 Amp	\$350.00
30	30 Amp	\$420.00
45	45 Amp Fan Cooled	\$525.00
65	65 Amp Fan Cooled	\$610.00

Code Input Control Voltage

1	4 - 32 Vdc	N/C
2	24 - 275 Vac or 24 - 50 Vdc	\$15.00

Code

G Add to Complete Model Number

SSR3- 25 1 G Typical Model Number (SSR-251G)

Note

Fan cooled units require 120 Vac.

ACCESSORIES

Part Number	Description	Price
0002-70021	MOV	5.00
0135-28144	LM-2 Solid State Relay Driver (PCN-341260)	130.00

Model

SSR3P* Three Phase, 3-Leg, Phase Fire SSR with Heatsink

Code	Current @ 40° C (104° F) Ambient	Base Price
15	15 Amp	\$470.00
25	25 Amp Fan Cooled**	\$655.00
40	40 Amp Fan Cooled**	\$675.00

Code	Voltage	Adder
1	230 Vac	N/C
2	480 Vac	\$65.00

Code Input Control Voltage

1	4 - 20 / 0 - 20 mA	N/C
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Code

G Add to Complete Model Number

SSR3P- 25 1 1 G Typical Model Number (SSR3P-2511G)

Note:

*SSR3P requires external power supply. (See Accessories)

**Fan cooled units require 120 Vac.

Mini SCR Panel™ Price List

Model

TC-4168 Single Phase Zero Fired SCR Mini Power Control Panel

Panel Configuration

cUL and UL Listed Single Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 4/12 rated Enclosure (24"H x 20"W x 8"D), External Heat Sinks for Indoor/Outdoor Applications, I2t Fusing, and Shutdown Contactor. Options Include: Process and Hi-Limit Controllers, Ground Fault Monitoring, Main Disconnect Switch and Enclosure Heater.

Code	Current @ 40° C (104° F)	Base Price
3	30 Amp	\$2,095.00
6	65 Amp	\$2,595.00

Code	Voltage	Adder
1	120 Vac	N/C
2	208 Vac	N/C
3	240 Vac	N/C
4	480 Vac	N/C
6	575 Vac	\$110.00

Code	Process Controller Options	Adder
0	None (6 - 12 Vdc Control Signal Customer Supplied)	N/C
3	ETR-9300 1/16 DIN Controller	\$330.00
4	ETR-9300 including CT-94-1 (Heater Breakdown Feature)	\$350.00
7	Customer Supplied Remote 4-20 mAdc	\$275.00

Code	Overtemperature Controller Options	Adder
0	None	N/C
1	ETR-3 Type J Thermocouple (0 - 1400° F) includes Illuminated Reset Switch	\$280.00
2	ETR-3 Type K Thermocouple (0 - 2300° F) includes Illuminated Reset Switch	\$280.00
3	ETR-9040 1/16 DIN High Limit Controller	\$330.00

Code	Options	Adder
0	None	N/C
1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch**	\$975.00
2	Main Disconnect with Through Door Operator	\$175.00
3	Thermostat Controlled Enclosure Heater	\$500.00
4	Ground Fault Monitor & Main Disconnect Switch	\$1,150.00
5	Main Disconnect Switch & Enclosure Heater	\$675.00
6	Ground Fault Monitor & Enclosure Heater	\$1,475.00
7	Ground Fault Monitor, Main Disconnect Switch & Enclosure Heater	\$1,650.00

Code	Load Fusing Option*	Adder/Ckt
Blank	None	N/C
9010(*)	8 Amps/Ckt (10 Amp fuse)	\$160.00
9015(*)	12 Amps/Ckt (15 Amp fuse)	\$160.00
9020(*)	16 Amps/Ckt (20 Amp fuse)	\$160.00
9025(*)	20 Amps/Ckt (25 Amp fuse)	\$160.00
9030(*)	24 Amps/Ckt (30 Amp fuse)	\$160.00
9035(*)	28 Amps/Ckt (35 Amp fuse)	\$170.00
9040(*)	32 Amps/Ckt (40 Amp fuse)	\$170.00
9045(*)	36 Amps/Ckt (45 Amp fuse)	\$170.00
9050(*)	40 Amps/Ckt (50 Amp fuse)	\$170.00
9060(*)	48 Amps/Ckt (60 Amp fuse)	\$170.00
9070(*)	56 Amps/Ckt (70 Amp fuse)	\$220.00
9080(*)	64 Amps/Ckt (80 Amp fuse)	\$280.00

TC-4168- 6 4 3 1 0 - 9025(3) Typical Model Number (TC-4168-64310-9025(3))

*Specify Number of Circuits (Maximum Three Circuits of Load Fusing).

**Ground fault detection requires grounded supply.

Mini SCR Panel™ Price List

Model

TC-4268 Three Phase Two-Leg Zero Fired SCR Mini Power Control Panel

Panel Configuration

cUL and UL Listed Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 4/12 rated Enclosure (24"H x 20"W x 8"D), External Heat Sinks for Indoor/Outdoor Applications, I2t Fusing, and Shutdown Contactor. Options Include: Process and Hi-Limit Controllers, Ground Fault Monitoring, Main Disconnect Switch and Enclosure Heater.

Code	Current @ 40° C (104° F)	Base Price
3	30 Amp	\$2,140.00
6	65 Amp	\$2,660.00

Code	Voltage	Adder
2	208 Vac	N/C
3	240 Vac	N/C
4	480 Vac	N/C
6	575 Vac	\$110.00

Code	Process Controller Options	Adder
0	None (6 - 12 Vdc Control Signal Customer Supplied)	N/C
3	ETR-9300 1/16 DIN Temperature Controller	\$330.00
4	ETR-9300 including CT-94-1 (Heater Breakdown Feature)	\$350.00
7	Customer Supplied Remote 4-20 mAdc	\$275.00

Code	Overtemperature Controller Options	Adder
0	None	N/C
1	ETR-3-01 Type J Thermocouple (0 - 1400° F) includes Illuminated Reset Switch	\$280.00
2	ETR-3-02 Type K Thermocouple (0 - 2300° F) includes Illuminated Reset Switch	\$280.00
3	ETR-9040 1/16 DIN High Limit Controller	\$330.00

Code	Options	Adder
0	None	N/C
1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch**	\$975.00
2	Main Disconnect with Through Door Operator	\$175.00
3	Thermostat Controlled Enclosure Heater	\$500.00
4	Ground Fault Monitor & Main Disconnect Switch	\$1,150.00
5	Main Disconnect Switch & Enclosure Heater	\$675.00
6	Ground Fault Monitor & Enclosure Heater	\$1,475.00
7	Ground Fault Monitor, Main Disconnect Switch & Enclosure Heater	\$1,650.00

Code	Load Fusing Option*	Adder/Ckt
Blank	None	N/C
9010(*)	8 Amps/Ckt (10 Amp fuse)	\$160.00
9015(*)	12 Amps/Ckt (15 Amp fuse)	\$160.00
9020(*)	16 Amps/Ckt (20 Amp fuse)	\$160.00
9025(*)	20 Amps/Ckt (25 Amp fuse)	\$160.00
9030(*)	24 Amps/Ckt (30 Amp fuse)	\$160.00
9035(*)	28 Amps/Ckt (35 Amp fuse)	\$170.00
9040(*)	32 Amps/Ckt (40 Amp fuse)	\$170.00
9045(*)	36 Amps/Ckt (45 Amp fuse)	\$170.00
9050(*)	40 Amps/Ckt (50 Amp fuse)	\$170.00
9060(*)	48 Amps/Ckt (60 Amp fuse)	\$170.00
9070(*)	56 Amps/Ckt (70 Amp fuse)	\$220.00
9080(*)	64 Amps/Ckt (80 Amp fuse)	\$280.00

TC-4268- 6 4 3 1 0 - 9025(3) Typical Model Number (TC-4268-64310(3))

*Specify Numer of Circuits (Maximum Three Circuits of Load Fusing).

**Ground fault detection requires grounded supply

TC-4214 SCR Panel™

Model

TC-4214 Single Phase Zero Fired SCR Power Control Panel

Panel Configuration

Single Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 4/12 rated Enclosure for Indoor/Outdoor Applications, Three-Pole Shutdown Contactor, SSR for Power Switching with I2t Fusing. Options Include: Process Controller, Hi-limit Controllers, Ground Fault Monitor, Disconnect Switch, and Cabinet Heater.

Code	Current @ 40° C (104° F) Ambient with no Solar Load	Enclosure Dimensions	Base Price
3	30	(16"H x 16"W x 6"D)	\$1,505.00
Code Voltage			
0	120 Vac		N/C
1	208 Vac		N/C
2	240 Vac		N/C
3	380 Vac		N/C
4	415 Vac		N/C
5	480 Vac		N/C
6	575 Vac		\$55.00
Code Process Controller Options Adder			
0	Customer Supplied Digital Signal (3 - 20 Vdc)		N/C
5	ETR-9300 1/16 DIN Temperature Controller		\$330.00
6	LM-2 Module (4 - 20 mA Input)		\$130.00
Code Overtemperature Controller Options Adder			
0	None		N/C
5	ETR-9040 1/16 DIN High Limit Controller		\$330.00
Code Options Adder			
0	None		N/C
1	Main Disconnect Switch		\$175.00
2	Ground Fault Monitor includes Illuminated Reset Switch*		\$975.00
3	Cabinet Heater		\$500.00
4	Main Disconnect Switch & Ground Fault Monitor		\$1,150.00
5	Main Disconnect Switch & Cabinet Heater		\$675.00
6	Main Disconnect, Ground Fault Monitor & Cabinet Heater		\$1,650.00
7	Ground Fault Monitor & Cabinet Heater		\$1,475.00

TC-4214- 3 5 5 5 0 Typical Model Number (TC-4214-35550)

*Ground fault detection requires grounded supply.

TC-4224 SCR Panel™

Model

TC-4224 Three Phase Two-Leg Zero Fired SCR Power Control Panel

Panel Configuration

Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 4/12 rated Enclosure for Indoor/Outdoor Applications, Three-Pole Shutdown Contactor, SSRs for Power Switching with I2t Fusing. Options Include: Process Controller, Hi-limit Controllers, Ground Fault Monitor, Disconnect Switch, and Cabinet Heater.

Code	Current @ 40° C (104° F) Ambient with no Solar Load	Enclosure Dimensions	Base Price
3	30	(24"H x 24"W x 10"D)	\$1,850.00
Code Voltage Adder			
1	208 Vac		N/C
2	240 Vac		N/C
3	380 Vac		N/C
4	415 Vac		N/C
5	480 Vac		N/C
6	575 Vac		\$55.00
Code Process Controller Options Adder			
0	Customer Supplied Digital Signal (3 - 20 Vdc)		N/C
5	ETR-9300 1/16 DIN Temperature Controller		\$330.00
6	LM-2 Module (4 - 20 mA)		\$130.00
Code Overtemperature Controller Options Adder			
0	None		N/C
5	ETR-9040 1/16 DIN High Limit Controller		\$330.00
Code Options Adder			
0	None		N/C
1	Main Disconnect Switch		\$175.00
2	Ground Fault Monitor includes Illuminated Reset Switch*		\$975.00
3	Cabinet Heater		\$500.00
4	Main Disconnect Switch & Ground Fault Monitor		\$1,150.00
5	Main Disconnect Switch & Cabinet Heater		\$675.00
6	Main Disconnect, Ground Fault Monitor & Cabinet Heater		\$1,650.00
7	Ground Fault Monitor & Cabinet Heater		\$1,475.00

TC-4224- 3 5 5 0 0 Typical Model Number (TC-4224-35500)

*Ground fault detection requires grounded supply.

TC-4532 SCR Panel™

Model

TC-4532 Three Phase Two-Leg Zero Fired SCR Power Control Panel

Panel Configuration

cUL and UL Listed Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 12 rated Enclosure for Indoor Applications, Forced Air Cooling, Main Disconnect Switch, Three-Pole Shutdown Contactor, and SSRs for Power Switching. Options Include: Process and Hi-Limit Controllers, Vari-Watt, and Ground Fault Monitor. 480/240 Vac

Code	Current @ 40° C (104° F) Ambient	SCR Component	Enclosure Dimensions	Base Price
40	90 Amp	Solid State Relays	(24"H x 24"W x 10"D)	\$4,330.00
Code	Process Controller Options			Adder
1	Terminal Block for Customer Supplied Control Signal (4 - 20 mA, 3 - 20 Vdc, Contact Closure, or 10K Potentiometer)			N/C
2	Door Mounted 10K Potentiometer, 0 - 100% Power Output Scale.			\$115.00
6	ETR-9300 1/16 DIN Temperature Controller			\$330.00
Code	Overtemperature Controller Options			Adder
0	None			N/C
1	One ETR-3 Type J Thermocouple (0-1400° F) includes Illuminated Reset Switch			\$280.00
2	One ETR-3 Type K Thermocouple (0 -2300° F) includes Illuminated Reset Switch			\$280.00
3	One ETR-9040 1/16 DIN High Limit Controller			\$330.00
Code	Ground Fault Sensing/Interrupt Option			Adder
0	None			N/C
1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch*			\$975.00

TC-4532- 40 6 1 0 Typical Model Number (TC-4532-40610)

Technical Notes:

Ventilated NEMA 12 Enclosure Derates Enclosure to NEMA 1.

*Ground fault detection requires grounded supply.

TC-4534 SCR Panel™

Model

TC-4534 Three Phase Two-Leg Zero Fired SCR Power Control Panel

Panel Configuration

cUL and UL Listed Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 4 rated Enclosure for Indoor/Outdoor Applications, Main Disconnect Switch, Three-Pole Shutdown Contactor, and SSRs for Power Switching. Options Include: Process and Hi-Limit Controllers, Vari-Watt, Cabinet Heater and Ground Fault Monitor. 480 / 240 Vac

Code	Current @ 40° C (104° F) Ambient	SCR Component	Enclosure Dimensions	Base Price
40	30 Amp	Solid State Relays	(24"H x 24"W x 10"D)	\$5,350.00
		Code	Process Controller Options	Adder
		1	Terminal Block for Customer Supplied Control Signal (4 - 20 mA, 3 - 20 Vdc, Contact Closure, or 10K Potentiometer)	N/C
		2	Door Mounted 10K Potentiometer, 0 - 100% Power Output Scale.	\$115.00
		4	ETR-9300 1/16 DIN Temperature Controller	\$330.00
		Code	Overtemperature Controller Options	Adder
		0	None	N/C
		1	One ETR-3 Type J Thermocouple (0-1400° F) includes Illuminated Reset Switch	\$280.00
		2	One ETR-3 Type K Thermocouple (0 -2300° F) includes Illuminated Reset Switch	\$280.00
		3	One ETR-9040 1/16 DIN High Limit Controller	\$330.00
		Code	Options	Adder
		0	None	N/C
		1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch*	\$975.00
		2	Cabinet Heater	\$500.00
		3	Ground Fault Monitor & Cabinet Heater	\$1,475.00

TC-4534- 40 4 1 0 Typical Model Number (TC-4534-40410)

*Ground Fault Detection requires grounded supply.

TC-4537 SCR Panel™

Model

TC-4537 Three Phase Two-Leg Zero Fired SCR Power Control Panel - Class 1 & 2, Group B, C & D, Class 2, Div. 1 & 2, Groups E, F, G

Panel Configuration

Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 7 rated Explosion-Proof Enclosure for Hazardous Areas, Main Disconnect Switch, Three-Pole Shutdown Contactor, SSR's for Power Switching, and Viewing Window. Options Include: Process and Hi-Limit Controllers, Vari-Watt, Cabinet Heater, Weather Proof-Gasket, and Ground Fault Monitor. 480 / 240 Vac

Code	Current @ 40° C (104° F) Ambient	SCR Component	Enclosure Dimensions	Base Price
40	45 Amp	Solid State Relays	(28.5"H x 21"W x 13"D)	\$12,800.00
Code Process Controller Options				Adder
1	Terminal Block for Customer Supplied Control Signal (4 - 20 mA, 3 - 20 Vdc, Contact Closure, or 10K Potentiometer)			N/C
6	ETR-9300 1/16 DIN Temperature Controller			\$330.00
Code Overtemperature Controller Options				Adder
0	None			N/C
1	One ETR-3 Type J Thermocouple (0-1400° F) includes Illuminated Reset Switch			\$280.00
2	One ETR-3 Type K Thermocouple (0 -2300° F) includes Illuminated Reset Switch			\$280.00
3	One ETR-9040 1/16 DIN High Limit Controller			\$330.00
Code Options				Adder
0	None			N/C
1	NEMA 7/4 Weather Proof Gasket for Out Door Applications			\$100.00
2	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch**			\$975.00
3	Cabinet Heater			\$500.00
4	Weather Proof Gasket and Ground Fault Monitor			\$1,075.00
5	Weather Proof Gasket and Cabinet Heater			\$600.00
6	Ground Fault Monitor and Cabinet Heater			\$1,475.00

TC-4537- 40 6 1 0 Typical Model Number (TC4537-40610)

**Ground fault detection requires grounded supply.

TC-4131 SCR Panel™

Model

TC-4131 Single Phase Zero Fired SCR Power Control Panel

Panel Configuration

cUL and UL Listed Single Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, NEMA 12 rated Enclosure for Indoor Applications, Forced Air Cooling, Heat-Sink Overtemperature Lamp, Terminal Block for customer supplied 120 Vac Control Power. Options Include: Ground Fault Monitor, Shorted SCR Detection, Ammeter with Phase Selector Switch, and Voltmeter with Phase Selector Switch.

Code	Current @ 40° C (104° F) Ambient	SCR Component	Enclosure Dimensions	Base Price
01	100 Amp	MXPCI-3-02-1-1-L0-F01-0-TC	(24"H x 24"W x 16"D)	\$2,430.00
03	150 Amp	MXPCI-3-04-1-1-L0-F01-0-TC	(24"H x 24"W x 16"D)	\$2,660.00
05	200 Amp	MXPCI-3-06-1-1-L0-F02-0-TC	(24"H x 24"W x 16"D)	\$2,890.00
07	300 Amp	MXPCI-3-08-1-1-L0-F03-0-TC	(36"H x 30"W x 16"D)	\$3,350.00
09	400 Amp	MXPCI-3-10-1-1-L0-F04-0-TC	(36"H x 30"W x 16"D)	\$3,585.00
11	550 Amp	MXPCI-3-12-1-1-L0-F05-0-TC	(36"H x 30"W x 16"D)	\$4,505.00
13	650 Amp	MXPCI-3-14-1-1-L0-F06-0-TC	(36"H x 30"W x 16"D)	\$4,855.00

Code	Voltage	Base Price
1	120 - 480 Vac	N/C
2	575 Vac	\$110.00

Code	Ground Fault Sensing/Interrupt Option	Adder
0	None	N/C
1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch	\$975.00

Code	Options	Adder
0	None	N/C
3	Shorted SCR Detection	\$275.00
4	Ammeter and Voltmeter	\$1,500.00
6	Ammeter, Voltmeter and Shorted SCR Detection	\$1,775.00

TC-4131- 03 1 1 3 Typical Model Number (TC-4131-03113)

Technical Notes:

Ventilated NEMA 12 Enclosure Derates Enclosure to NEMA 1.
 Consult Factory for 575 Vac Applications and Pricing

TC-4132 SCR Panel™

Model

TC-4132 Three Phase Two-Leg Zero Fired SCR Power Control Panel

Panel Configuration

cUL and UL Listed Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, NEMA 12 rated Enclosure for Indoor Applications, Forced Air Cooling, Heat-Sink Overtemperature Lamp, Terminal Block for customer supplied 120 Vac Control Power. Options Include: Ground Fault Monitor, Shorted SCR Detection, Ammeter with Phase Selector Switch, and Voltmeter with Phase Selector Switch.

Code	Current @ 40° C (104° F) Ambient	SCR Component	Enclosure Dimensions	Base Price
01	100 Amp	MXPCII-3-02-1-1-L0-F01-0-TC	(36"H x 30"W x 16"D)	\$3,205.00
03	150 Amp	MXPCII-3-04-1-1-L0-F01-0-TC	(36"H x 30"W x 16"D)	\$3,465.00
05	200 Amp	MXPCII-3-06-1-1-L0-F02-0-TC	(36"H x 30"W x 16"D)	\$3,885.00
07	300 Amp	MXPCII-3-08-1-1-L0-F03-0-TC	(36"H x 30"W x 16"D)	\$4,360.00
09	400 Amp	MXPCII-3-10-1-1-L0-F04-0-TC	(36"H x 30"W x 16"D)	\$4,620.00
11	550 Amp	MXPCII-3-12-1-1-L0-F05-0-TC	(36"H x 30"W x 16"D)	\$6,100.00
13	650 Amp	MXPCII-3-14-1-1-L0-F06-0-TC	(36"H x 30"W x 16"D)	\$6,375.00

Code	Voltage			
1	120 - 480 Vac			N/C
2	575 Vac			\$165.00

Code	Ground Fault Sensing/Interrupt Option		Adder
0	None		N/C
1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch		\$975.00

Code	Options		Adder
0	None		N/C
3	Shorted SCR Detection		\$275.00
4	Ammeter and Voltmeter		\$1,500.00
6	Ammeter, Voltmeter and Shorted SCR Detection		\$1,775.00

TC-4132- 03 1 1 1 Typical Model Number (TC-4132-03111)

Technical Notes:

Ventilated NEMA 12 Enclosure Derates Enclosure to NEMA 1.
Consult Factory for 575 Vac Applications and Pricing

TC-4133 SCR Panel™

Model

TC-4133 Three Phase Three-Leg Zero Fired SCR Power Control Panel

Panel Configuration

cUL and UL Listed Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, NEMA 12 rated Enclosure for Indoor Applications, Forced Air Cooling, Heat-Sink Overtemperature Lamp, Terminal Block for customer supplied 120 Vac Control Power. Options Include: Ground Fault Monitor, Shorted SCR Detection, Ammeter with Phase Selector Switch, and Voltmeter with Phase Selector Switch.

Code	Current @ 40° C (104° F) Ambient	SCR Component	Enclosure Dimensions	Base Price
01	100 Amp	MXPCIII-3-02-1-1-L0-F01-0-TC	(36"H x 30"W x 16"D)	\$3,835.00
03	150 Amp	MXPCIII-3-04-1-1-L0-F01-0-TC	(36"H x 30"W x 16"D)	\$4,410.00
05	200 Amp	MXPCIII-3-06-1-1-L0-F02-0-TC	(36"H x 30"W x 16"D)	\$4,780.00
07	300 Amp	MXPCIII-3-08-1-1-L0-F03-0-TC	(36"H x 30"W x 16"D)	\$5,200.00
09	400 Amp	MXPCIII-3-10-1-1-L0-F04-0-TC	(36"H x 30"W x 16"D)	\$5,675.00
11	550 Amp	MXPCIII-3-12-1-1-L0-F05-0-TC	(48"H x 36"W x 16"D)	\$8,100.00
13	650 Amp	MXPCIII-3-14-1-1-L0-F06-0-TC	(48"H x 36"W x 16"D)	\$8,675.00

Code	Voltage	Adder
1	120 - 480 Vac	N/C
2	575 Vac	\$220.00

Code	Ground Fault Sensing/Interrupt Option	Adder
0	None	N/C
1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch	\$975.00

Code	Options	Adder
0	None	N/C
3	Shorted SCR Detection	\$275.00
4	Ammeter and Voltmeter	\$1,500.00
6	Ammeter, Voltmeter and Shorted SCR Detection	\$1,775.00

TC-4133- 03 1 1 1 Typical Model Number (TC-4133-03111)

Technical Notes:

Ventilated NEMA 12 Enclosure Derates Enclosure to NEMA 1.
Consult Factory for 575 Vac Applications and Pricing

TC-4232 SCR Panel™

Model

TC-4232 Three Phase Two-Leg Zero Fired SCR Power Control Panel

Panel Configuration

cUL and UL Listed Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 12 rated Enclosure for Indoor Applications, Forced Air Cooling, Main Magnetic Disconnect Switch with Shunt Trip Feature, Heat-Sink Overtemperature Lamp. Options Include: Process and Hi-Limit Controllers, Ground Fault Monitor, Sub-Circuit Fusing for Heater Load, Shorted SCR Detection, Ammeter with Phase Selector Switch, Voltmeter with Phase Selector Switch and Floor Stand Kit.

Code	Current @ 40° C (104° F) Ambient	SCR Component	Enclosure Dimensions	Base Price
02	100 Amp	MXPCII-3-02-1-1-L0-F01-0-TC	(60"H x 36"W x 12"D)	\$5,950.00
03	150 Amp	MXPCII-3-04-1-1-L0-F01-0-TC	(60"H x 36"W x 12"D)	\$6,725.00
06	200 Amp	MXPCII-3-06-1-1-L0-F02-0-TC	(60"H x 36"W x 12"D)	\$7,100.00
08	300 Amp	MXPCII-3-08-1-1-L0-F03-0-TC	(60"H x 36"W x 12"D)	\$8,100.00
10	400 Amp	MXPCII-3-10-1-1-L0-F04-0-TC	(72"H x 36"W x 12"D)	\$8,675.00
12	550 Amp	MXPCII-3-12-1-1-L0-F05-0-TC	(72"H x 36"W x 12"D)	\$9,575.00
14	650 Amp	MXPCII-3-14-1-1-L0-F06-0-TC	(72"H x 36"W x 12"D)	\$10,150.00
15 ¹	800 Amp	2 * MXPCII-3-10-1-1-L0-F04-0-TC	(72"H x 72"W x 12"D) Floor mount	\$15,600.00
16 ¹	1000 Amp	2 * MXPCII-3-12-1-1-L0-F05-0-TC	(72"H x 72"W x 12"D) Floor mount	\$19,650.00
17 ¹	1200 Amp	2 * MXPCII-3-14-1-1-L0-F06-0-TC	(72"H x 72"W x 12"D) Floor mount	\$21,375.00

Code	Voltage ²	
1	208 Vac	N/C
2	240 Vac	N/C
3	380 Vac	N/C
4	415 Vac	N/C
5	480 Vac	N/C
6	575 Vac	\$110.00

Code	Process Controller Options	Adder
0	None	N/C
2	ETR-9300 1/16 DIN Temperature Controller	\$330.00

Code	Overtemperature Controller Options	Adder
0	None	N/C
1	One ETR-9040 1/16 DIN High Limit Controller	\$330.00
2	Two ETR-9040 1/16 DIN High Limit Controllers	\$660.00
3	Three ETR-9040 1/16 DIN High Limit Controllers	\$990.00

Code	Ground Fault Sensing/Interrupt & Shorted SCR Detection Option	Adder
0	None	N/C
1	Shorted SCR Detection	\$275.00
2	Ground Fault Monitor & Shutdown, Illuminated Reset Switch(Code 02-14)*	\$975.00
3	Ground Fault Monitor & Shutdown, Illuminated Reset Switch(Code 15-17)	\$2,050.00
4	Ground Fault Monitor & Shorted SCR Detection(Code 02-14)	\$1,250.00
5	Ground Fault Monitor & Shorted SCR Detection(Code 15-17)	\$2,325.00

Code	Options	Adder
0	None	N/C
4	Ammeter & Voltmeter	\$1,750.00

*Ground fault detection requires grounded supply.

TC-4232 SCR Panel™ (continued)

							Code	Load Fusing Option^{3,4}	Adder
							9000	None	N/C
							9010(*)	8 Amps/Circuit (10 Amp Fuse)	\$160.00
							9015(*)	12 Amps/Circuit (15 Amp Fuse)	\$160.00
							9020(*)	16 Amps/Circuit (20 Amp Fuse)	\$160.00
							9025(*)	25 Amps/per Circuit	\$160.00
							9030(*)	30 Amps/per Circuit	\$160.00
							9035(*)	35 Amps/per Circuit	\$170.00
							9040(*)	40 Amps/per Circuit	\$170.00
							9045(*)	45 Amps/per Circuit	\$170.00
							9050(*)	50 Amps/per Circuit	\$170.00
							9060(*)	60 Amps/per Circuit	\$170.00
							9070(*)	70 Amps/per Circuit	\$220.00
							9080(*)	80 Amps/per Circuit	\$280.00
							9090(*)	90 Amps/per Circuit	\$280.00
							9100(*)	100 Amps/per Circuit	\$280.00
							9110(*)	110 Amps/per Circuit	\$590.00
							9125(*)	100 Amps/Circuit (125 Amp Fuse)	\$590.00
							9150(*)	120 Amps/Circuit (150 Amp Fuse)	\$590.00
							9175(*)	140 Amps/Circuit (175 Amp Fuse)	\$590.00
							9200(*)	160 Amps/Circuit (200 Amp Fuse)	\$590.00
TC-4232-	03	5	2	0	0	0	9025(5)	Typical Model Number	

Technical Notes:

¹Includes Ogden Load Management Module

²Consult Factory for 575 Vac Applications and Pricing

³Load Fuse Current Rating Reflects 125% of Actual Load Amps. Ex 9050(3) specifies three sets of 50 Amp fuses, load not to exceed 40 Amps/ckt.

⁴Panel Codes 15-17 (Maximum Sixteen circuits of Load fusing).

*Specify Number of Circuits (Maximum Eight Circuits of Load Fusing).

Ventilated NEMA 12 Enclosure Derates Enclosure to NEMA 1.

TC-4233 SCR Panel™

Model

TC-4233 Three Phase Three-Leg Zero Six SCR Fired SCR Power Control Panel

Panel Configuration

cUL and UL Listed Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 12 rated Enclosure for Indoor Applications, Forced Air Cooling, Main Magnetic Disconnect Switch with Shunt Trip Feature, and Heat-Sink Overtemperature Lamp. Options Include: Process and Hi-Limit Controllers, Ground Fault Monitor, Sub-Circuit Fusing for Heater Load, Shorted SCR Detection, Ammeter with Phase Selector Switch, Voltmeter with Phase Selector Switch and Floor Stand Kit.

Code	Current @ 40° C (104° F) Ambient	SCR Component	Enclosure Dimensions	Base Price
02	100 Amp	MXPCIII-3-02-1-1-L0-F01-0-TC	(60"H x 36"W x 12"D)	\$7,300.00
03	150 Amp	MXPCIII-3-04-1-1-L0-F01-0-TC	(60"H x 36"W x 12"D)	\$8,675.00
06	200 Amp	MXPCIII-3-06-1-1-L0-F02-0-TC	(60"H x 36"W x 12"D)	\$9,250.00
08	300 Amp	MXPCIII-3-08-1-1-L0-F03-0-TC	(60"H x 36"W x 12"D)	\$10,150.00
10	400 Amp	MXPCIII-3-10-1-1-L0-F04-0-TC	(72"H x 36"W x 12"D)	\$10,975.00
12	550 Amp	MXPCIII-3-12-1-1-L0-F05-0-TC	(72"H x 36"W x 12"D)	\$12,150.00
14	650 Amp	MXPCIII-3-14-1-1-L0-F06-0-TC	(72"H x 36"W x 12"D)	\$13,300.00
15 ¹	800 Amp	2 * MXPCIII-3-10-1-1-L0-F04-0-TC*	(72"H x 72"W x 12"D)Floor Mount	\$19,650.00
16 ¹	1000 Amp	2 * MXPCIII-3-12-1-1-L0-F05-0-TC*	(72"H x 72"W x 12"D)Floor Mount	\$24,275.00
17 ¹	1200 Amp	2 * MXPCIII-3-14-1-1-L0-F06-0-TC*	(72"H x 72"W x 12"D)Floor Mount	\$27,150.00

Code	Voltage ²	
1	208 Vac	N/C
2	240 Vac	N/C
3	380 Vac	N/C
4	415 Vac	N/C
5	480 Vac	N/C
6	575 Vac	\$110.00

Code	Process Controller Options	Adder
0	None	N/C
2	ETR-9300 1/16 DIN Temperature Controller	\$330.00

Code	Over-Temperature Controller Options	Adder
0	None	N/C
1	One ETR-9040 1/16 DIN High Limit Controller	\$330.00
2	Two ETR-9040 1/16 DIN High Limit Controllers	\$660.00
3	Three ETR-9040 1/16 DIN High Limit Controllers	\$990.00

Code	Ground Fault Sensing/Interrupt & Shorted SCR Detection Option	Adder
0	None	N/C
1	Shorted SCR Detection	\$275.00
2	Ground Fault Monitor & Shutdown, Illuminated Reset Switch(Code 02-14) ⁵	\$975.00
3	Ground Fault Monitor & Shutdown, Illuminated Reset Switch(Code 15-17)	\$2,050.00
4	Ground Fault Monitor & Shorted SCR Detection(Code 02-14)	\$1,250.00
5	Ground Fault Monitor & Shorted SCR Detection(Code 15-17)	\$2,325.00

Code	Options	Adder
0	None	N/C
4	Ammeter & Voltmeter	\$1,750.00

(Continued on next page)

TC-4233 SCR Panel™ (continued)

							Code	Load Fusing Option^{3,4}	
							9000	None	N/C
							9010(*)	8 Amps/Circuit (10 Amp Fuse)	\$160.00
							9015(*)	12 Amps/Circuit (15 Amp Fuse)	\$160.00
							9020(*)	16 Amps/Circuit (20 Amp Fuse)	\$160.00
							9025(*)	25 Amps/per Circuit	\$160.00
							9030(*)	30 Amps/per Circuit	\$160.00
							9035(*)	35 Amps/per Circuit	\$170.00
							9040(*)	40 Amps/per Circuit	\$170.00
							9045(*)	45 Amps/per Circuit	\$170.00
							9050(*)	50 Amps/per Circuit	\$170.00
							9060(*)	60 Amps/per Circuit	\$170.00
							9070(*)	70 Amps/per Circuit	\$220.00
							9080(*)	80 Amps/per Circuit	\$280.00
							9090(*)	90 Amps/per Circuit	\$280.00
							9100(*)	100 Amps/per Circuit	\$280.00
							9110(*)	110 Amps/per Circuit	\$590.00
							9125(*)	100 Amps/Circuit (125 Amp Fuse)	\$590.00
							9150(*)	120 Amps/Circuit (150 Amp Fuse)	\$590.00
							9175(*)	140 Amps/Circuit (175 Amp Fuse)	\$590.00
							9200(*)	160 Amps/Circuit (200 Amp Fuse)	\$590.00
TC-4233-	03	5	2	1	0	0	9025(5)	Typical Model Number	

Technical Notes:

¹Includes Ogden Load Management Module

²Consult Factory for 575 Vac Applications and Pricing

³Load Fuse Current Rating Reflects 125% of Actual Load Amps. Ex 9050(3) specifies three sets of 50 Amp fuses, load not to exceed 40 Amps/ckt.

⁴Panel Codes 15-17 (Maximum Sixteen circuits of Load fusing).

⁵Ground Fault Detection requires grounded supply.

*Specify Number of Circuits (Maximum Eight Circuits of Load Fusing).

Ventilated NEMA 12 Enclosure Derates Enclosure to NEMA 1.

TC-4235 SCR Panel™

Model

TC-4235 Three Phase Two-Leg Zero Fired SCR Power Control Panel

Panel Configuration

cUL and UL Listed Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 4 rated Enclosure for Indoor/Outdoor Applications with External Heat Sinks, Main Magnetic Disconnect Switch with Shunt Trip Feature, and Sub-Circuit Fusing. Options Include: Process Controllers, Hi-Limit Controllers, Load Management Module, Ground Fault Monitor, Ammeter with Phase Selector Switch, Voltmeter with Phase Selector Switch, Enclosure Heater, and Type Z Z Pressurization System.

Code Current @ 40° C (104° F) Ambient with no Solar Load

	Circuits	Max. Amps/Ckt	Total Amps	Fuse Amps/Ckt	Enclosure Dimensions	Base Price
124	1	24	24	30	(24"H x 24"W x 10"D)	\$3,780.00
148	1	48	48	60	(24"H x 24"W x 10"D)	\$4,085.00
172	1	72	72	90	(24"H x 24"W x 10"D)	\$4,305.00
224	2	24	48	30	(24"H x 24"W x 10"D)	\$5,200.00
248	2	48	96	60	(36"H x 30"W x 10"D)	\$5,375.00
272	2	72	144	90	(36"H x 30"W x 10"D)	\$5,950.00
324	3	24	72	30	(36"H x 30"W x 10"D)	\$6,625.00
348	3	48	144	60	(48"H x 36"W x 10"D)	\$7,525.00
372	3	72	216	90	(48"H x 36"W x 10"D)	\$8,100.00
424	4	24	96	30	(48"H x 36"W x 10"D)	\$8,250.00
448	4	48	192	60	(48"H x 36"W x 10"D)	\$8,475.00
472	4	72	288	90	(60"H x 36"W x 10"D)	\$9,825.00
524	5	24	120	30	(60"H x 36"W x 10"D)	\$10,150.00
548	5	48	240	60	(60"H x 36"W x 10"D)	\$10,400.00
572	5	72	360	90	(62"H x 60"W x 12"D)	\$13,300.00
624	6	24	144	30	(60"H x 36"W x 10"D)	\$14,450.00
648	6	48	288	60	(60"H x 36"W x 10"D)	\$15,025.00
672	6	72	432	90	(62"H x 60"W x 12"D)	\$15,600.00

Code Voltage

1	208 Vac	N/C
2	240 Vac	N/C
3	380 Vac	N/C
4	415 Vac	N/C
5	480 Vac	N/C
6	575 Vac	\$110.00

Code Process Controller Options

Code	Process Controller Options	Adder
0	Customer Supplied Digital Signal (12 - 24 Vdc @ 120 mA)	N/C
2	Customer Supplied Digital Signal to Load Management Module (4 - 20 mA Input)	\$1,025.00
4	ETR-9300 1/16 DIN Temperature Controller	\$330.00
5	ETR-9300 1/16 DIN Temperature Controller with Load Management Module	\$830.00

Code Overtemperature Controller Options

Code	Overtemperature Controller Options	Adder
0	None	N/C
1	One Ogden Model ETR-9040-4110 1/16 DIN High Limit Controller	\$330.00
2	Two Ogden Model ETR-9040-4110 1/16 DIN High Limit Controllers	\$660.00
3	Three Ogden Model ETR-9040-4110 1/16 DIN High Limit Controllers	\$990.00

(Continued on next page)

TC-4235 SCR Panel™ (continued)

						Code	Ground Fault Sensing/Interrupt, Cabinet Heater, & "Z" Purge Pressurization Option	Adder
						0	None	N/C
						1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch ³	\$975.00
						2	Cabinet Heater	\$500.00
						3	"Z" Purge Pressurization System	\$3,500.00
						4	Ground Fault Monitor & Cabinet Heater	\$1,475.00
						5	Ground Fault Monitor and "Z" Purge System	\$4,475.00
						6	Ground Fault Monitor, Cabinet Heater and "Z" Purge System	\$4,975.00
						7	Cabinet Heater and "Z" Purge System	\$4,000.00
						Code	Options	Adder
						0	None	N/C
						4	Ammeter & Voltmeter	\$1,750.00

TC-4235- 624 5 4 1 1 0 Typical Model Number (TC-4235-62454110)

Technical Notes:

¹Up to Three Circuits Maximum. Requires Code 2 or 3 for more circuits. Code 3 Required for 4-6 circuits

²Load Fuse Current Rating Reflects 125% of Actual Load Amps.

³Ground fault detection requires grounded supply.

TC-4236 SCR Panel™

Model

TC-4236 Three Phase Two-Leg Zero Fired SCR Power Control Panel

Panel Configuration

Three Phase SCR Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 4X rated 304 Stainless Steel Enclosure for Indoor/Outdoor Applications with External Heat Sinks, Main Magnetic Disconnect Switch with Shunt Trip Feature, and Sub-Circuit Fusing. Options Include: Process Controllers, Hi-Limit Controllers, Load Management Stepper, Ground Fault Monitor, Ammeter with Phase Selector Switch, Voltmeter with Phase Selector Switch, Floor Stand Kit, Enclosure Heater, and Type Z Pressurization System.

Code Current @ 35° C (95° F) Ambient with no Solar Load3

Code	Circuits	Max. Amps/Ckt	Total Amps	Fuse Amps/Ckt ²	Enclosure Dimensions	Base Price
124	1	24	24	30	(24"H x 24"W x 12"D)	\$4,275.00
148	1	48	48	60	(24"H x 24"W x 12"D)	\$4,625.00
172	1	72	72	90	(24"H x 24"W x 12"D)	\$4,800.00
224	2	24	48	30	(24"H x 24"W x 12"D)	\$5,775.00
248	2	48	96	60	(36"H x 30"W x 12"D)	\$6,625.00
272	2	72	144	90	(36"H x 30"W x 12"D)	\$7,150.00
324	3	24	72	30	(36"H x 30"W x 12"D)	\$7,825.00
348	3	48	144	60	(48"H x 36"W x 12"D)	\$9,050.00
372	3	72	216	90	(48"H x 36"W x 12"D)	\$9,825.00
424	4	24	96	30	(48"H x 36"W x 12"D)	\$9,975.00
448	4	48	192	60	(48"H x 36"W x 12"D)	\$10,300.00
472	4	72	288	90	(60"H x 36"W x 12"D)	\$11,550.00
524	5	24	120	30	(60"H x 36"W x 12"D)	\$11,875.00
548	5	48	240	60	(60"H x 36"W x 12"D)	\$12,150.00
572	5	72	360	90	(62"H x 60"W x 12"D)	\$19,650.00
624	6	24	144	30	(60"H x 36"W x 12"D)	\$20,225.00
648	6	48	288	60	(60"H x 36"W x 12"D)	\$20,800.00
672	6	72	432	90	(62"H x 60"W x 12"D)	\$21,375.00

Code Voltage

1	208 Vac	N/C
2	240 Vac	N/C
3	380 Vac	N/C
4	415 Vac	N/C
5	480 Vac	N/C
6	575 Vac	\$110.00

Code Process Controller Options

Code	Process Controller Options	Adder
0	Customer Supplied Digital Signal (12 - 24 Vdc @ 120 mA)	N/C
2	Customer Supplied Digital Signal to Load Management Module (4 - 20 mA Input)	\$1,025.00
4	ETR-9300 1/16 DIN Temperature Controller	\$330.00
5	ETR-9300 1/16 DIN Temperature Controller with Load Management Module	\$830.00

Code Overtemperature Controller Options

Code	Overtemperature Controller Options	Adder
0	None	N/C
1	One Ogden Model ETR-9040 1/16 DIN High Limit Controller	\$330.00
2	Two Ogden Model ETR-9040 1/16 DIN High Limit Controllers	\$660.00
3	Three Ogden Model ETR-9040 1/16 DIN High Limit Controllers	\$990.00

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TC-4236 SCR Panel™ (continued)

						Code	Ground Fault Sensing/Interrupt, Cabinet Heater, & "Z" Purge Pressurization Option	Adder	
						0	None	N/C	
						1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch ⁴	\$975.00	
						2	Cabinet Heater	\$500.00	
						3	"Z" Purge Pressurization System	\$3,500.00	
						4	Ground Fault Monitor & Cabinet Heater	\$1,475.00	
						5	Ground Fault Monitor and "Z" Purge System	\$4,475.00	
						6	Ground Fault Monitor, Cabinet Heater and "Z" Purge System	\$4,975.00	
						7	Cabinet Heater and "Z" Purge System	\$4,000.00	
							Code	Options	Adder
						0	None	N/C	
						4	Ammeter & Voltmeter	\$1,750.00	

TC-4236- 624 5 4 1 1 0 Typical Model Number (TC-4236-62454110)

Technical Notes:

- ¹Up to Three Circuits Maximum. Requires code 2 or 3 for more circuits; code 3 required for 4-6 circuits
 - ²Load Fuse Current Rating Reflects 125% of Actual Load Amps.
 - ³Ambient rating based on all sides of enclosure dissipating heat
 - ⁴Ground fault detection requires grounded supply.
- Control Panel UL and cUL rated for NEMA 4

TC-4463 Contactor Panel™

Model

TC-4463 Multi-Zone Contactor Power Control Panel NEMA 4X Rated

Panel Configuration

cUL and UL Listed Three Phase or Single Phase Contactor Power Control Panel. Features: Factory pre-wired for quick installation, NEMA 4X rated Enclosure (16"H x 14"W x 8"D), Terminal Blocks for Customer supplied 120 Vac Control Power and up to Four Independent Zones of Control.

Code	Control Zones	Base Price
10	One ETR-9300 1/16 DIN Controller with One Three-Pole 40 Amp rated Industrial Contactor	\$1,100.00
20	Two ETR-9300 1/16 DIN Controllers with Two Three-Pole 40 Amp rated Industrial Contactor's	\$1,370.00
30	Three ETR-9300 1/16 DIN Controllers with Three Three-Pole 40 Amp rated Industrial Contactor's	\$1,890.00
40	Four ETR-9300 1/16 DIN Controllers with Four Three-Pole 40 Amp rated Industrial Contactor's	\$2,200.00

Code

000 Add to Complete Model Number

TC-4463- 30 000 Typical Model Number (TC-4463-30000)

TC-4466 / TC-4468 Contactor Panel™

Model	Base Price
TC-4466 Three Phase Contactor Power Control Panel NEMA 12 Rated	\$600.00
TC-4468 Three Phase Contactor Power Control Panel NEMA 4X Rated	\$600.00

Panel Configuration

cUL and UL Listed Three Phase Contactor Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Multi-Tapped Primary (480/240/120) & Secondary Fusing for 120 volt Control Circuit, Three-Pole Control Contactor and NEMA 4X rated Enclosure (16"H x 14"W x 8"D) for Indoor/Outdoor Applications or NEMA 12 rated Enclosure (16"H x 14"W x 6"D) for Indoor Application. Options Include: Enclosure Heater, Main Disconnect Switch, Process and Hi-Limit Controllers.

Code	Current @ 40° C (104° F) Ambient	Adder
30	40 Amp	\$130.00
60	75 Amp	\$190.00
90	100 Amp	\$250.00

Code	Process Controller Options	Adder
0	Terminal Block for Customer Supplied Control Signal (Dry Contact or Solid State Relay, 120 Vac)	N/C
2	ETR-9300 1/16 DIN Temperature Controller	\$330.00

Code	Options	Adder
0	None	N/C
1	Main Disconnect Switch	\$175.00
2	Cabinet Heater	\$500.00
3	Main Disconnect Switch & Cabinet Heater	\$675.00

Code	Overtemperature Controller Options	Adder
0	None	N/C
1	ETR-9040 1/16 DIN High-Limit Controller	\$330.00

Code	Load Fusing Option	Adder/Ckt
Blank	None	
9010(*)	8 Amps/Ckt (10 Amp fuse)	\$160.00
9015(*)	12 Amps/Ckt (15 Amp fuse)	\$160.00
9020(*)	16 Amps/Ckt (20 Amp fuse)	\$160.00
9025(*)	20 Amps/Ckt (25 Amp fuse)	\$160.00
9030(*)	24 Amps/Ckt (30 Amp fuse)	\$160.00
9035(*)	28 Amps/Ckt (35 Amp fuse)	\$170.00
9040(*)	32 Amps/Ckt (40 Amp fuse)	\$170.00
9045(*)	36 Amps/Ckt (45 Amp fuse)	\$170.00
9050(*)	40 Amps/Ckt (50 Amp fuse)	\$170.00
9060(*)	48 Amps/Ckt (60 Amp fuse)	\$170.00
9070(*)	56 Amps/Ckt (70 Amp fuse)	\$215.00
9080(*)	64 Amps/Ckt (80 Amp fuse)	\$280.00
9090(*)	72 Amps/Ckt (90 Amp fuse)	\$280.00
9100(*)	80 Amps/Ckt (100 Amp fuse)	\$280.00
9110(*)	88 Amps/Ckt (110 Amp fuse)	\$280.00
9125(*)	100 Amps/Ckt (125 Amp fuse)	\$590.00

TC-4468- 30 2 1 1 - 9025(3) Typical Model Number (TC-4468-30211)

**With fuse option enclosure size is 18"x16"x10".

*Specify Number of Circuits (Maximum Three Circuits of Load Fusing).

TC-4477 CONTACTOR Panel™

Model

TC-4477 Three Phase MINI Explosion-Proof Contactor Power Control Panel - Class I, Division II

Panel Configuration

Three Phase Contactor Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 7/4 rated Explosion-Proof Enclosure for Indoor/Outdoor Hazardous Areas, Main Thermal Magnetic Disconnect Switch, Three-Pole Contactor for Power Switching. Options Include: Process and Hi-Limit Controllers, Panel Door Viewing Window, Enclosure Heater, and Ground Fault Monitor.

Code	Current @ 40° C (104° F) Ambient	Enclosure Dimensions	Base Price
40	45 Amp	(29"H x 21"W x 9"D)	\$6,775.00
75	75 Amp	(29"H x 21"W x 9"D)	\$7,450.00

Code	Process Controller Options	Adder
0	Terminal Block for Customer Supplied Control (Dry Contact or Solid State Switch, 120 Vac)	N/C
3	ETR-9300 1/16 DIN Temperature Controller	\$330.00

Code	Overtemperature Controller Options	Adder
0	None	N/C
1	One ETR-3-01 Sub-Panel Mounted (0 -1400° F Scale, Type J Thermocouple)	\$280.00
2	One ETR-3-02 Sub-Panel Mounted (500 -2300° F Scale, Type K Thermocouple)	\$280.00
3	One ETR-9040 1/16 DIN High Limit Controller	\$330.00

Code	Options	Adder
0	None	N/C
1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch	\$975.00
2	Enclosure Heater	\$500.00
3	Enclosure Door Viewing Window	\$400.00
4	Ground Fault Monitor & Enclosure Heater	\$1,475.00
5	Ground Fault Monitor & Enclosure Viewing Window	\$1,375.00
6	Ground Fault Monitor, Enclosure Heater, and Enclosure Viewing Window	\$1,875.00
7	Enclosure Heater and Enclosure Viewing Window	\$900.00

TC-4477- 40 3 1 0 Typical Model Number (TC-4477-40310)

TC-4432 Power Contactor Panel™

Model

TC-4432 Three Phase Contactor Power Control Panel

Panel Configuration

cUL and UL Listed Three Phase Contactor Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 4/12 rated Enclosure for Indoor/Outdoor Applications, Main Magnetic Disconnect Switch with Shunt Trip Feature, Three-Pole Contactors, and Sub-Circuit Fusing. Options Include: Process Controller, Hi-Limit Controllers, Stepper, SCR Trim Load, Ground Fault Monitor, Ammeter with Phase Selector Switch, Voltmeter with Phase Selector Switch, Floor Stand Kit, Enclosure Heater, and Type Z Pressurization System.

Code Current @ 40° C (104° F) Ambient with NO SOLAR LOAD

Code	Circuits	Max. Amps/Ckt	Total Amps	Fuse Amps/Ckt	Enclosure Dimensions	
124	1	24	24	30	(24"H x 24"W x 10"D)	\$2,470.00
148	1	48	48	60	(24"H x 24"W x 10"D)	\$2,680.00
180	1	75	80	100	(24"H x 24"W x 10"D)	\$2,890.00
196	1	100	96	120	(24"H x 24"W x 10"D)	\$3,100.00
224	2	24	48	30	(36"H x 30"W x 10"D)	\$3,570.00
248	2	48	96	60	(36"H x 30"W x 10"D)	\$3,885.00
280	2	80	160	100	(36"H x 30"W x 10"D)	\$4,200.00
296	2	96	192	120	(48"H x 36"W x 10"D)	\$5,675.00
324	3	24	72	30	(48"H x 36"W x 10"D)	\$5,900.00
348	3	48	144	60	(48"H x 36"W x 10"D)	\$6,200.00
380	3	80	240	100	(48"H x 36"W x 10"D)	\$6,525.00
396	3	96	288	120	(48"H x 36"W x 10"D)	\$7,475.00
424	4	24	96	30	(48"H x 36"W x 10"D)	\$6,425.00
448	4	48	192	60	(48"H x 36"W x 10"D)	\$7,300.00
480	4	80	320	100	(48"H x 36"W x 10"D)	\$7,625.00
496	4	96	384	120	(48"H x 36"W x 10"D)	\$8,575.00
524	5	24	120	30	(48"H x 36"W x 10"D)	\$7,000.00
548	5	48	240	60	(48"H x 36"W x 10"D)	\$8,000.00
580	5	80	400	100		Consult Factory*
596	5	96	480	120		Consult Factory*
624	6	24	144	30	(48"H x 36"W x 10"D)	\$7,525.00
648	6	48	288	60	(48"H x 36"W x 10"D)	\$8,525.00
680	6	80	480	100		Consult Factory*
696	6	96	576	120		Consult Factory*

Code Voltage

1	208 Vac	N/C
2	240 Vac	N/C
3	380 Vac	N/C
4	415 Vac	N/C
5	480 Vac	N/C
6	575 Vac	N/C

Code Process Controller Options

Code	Process Controller Options	Adder
0	Customer Supplied Signal (Dry Contact or Solid State Switch, 120 Vac)	N/C
1	ETR-9300 1/6 DIN Temperature Controller	\$330.00
2	Customer Supplied Signal to Stepper (4 - 20mA).	\$1,025.00
3	ETR-9300 1/6 DIN Temperature Controller and Stepper	\$1,400.00
4	Customer Supplied Digital Signal for Stepper and One 24 or 48 Amp SCR Circuit Trim	\$1,800.00
5	ETR-9300, Stepper and One 24 or 48 Amp SCR Circuit Trim	\$2,000.00
6	Customer Supplied Digital Signal for Stepper and One 80 or 96 Amp SCR Circuit Trim	\$2,225.00
7	ETR-9300, Stepper and One 80 or 96 Amp SCR Circuit Trim	\$2,400.00

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TC-4432 Power Contactor Panel™ (continued)

							Code	Overtemperature Controller Options	Adder
						0	None	N/C	
						1	One ETR-9040 1/16 DIN High Limit Controller	\$330.00	
						2	Two ETR-9040 1/16 DIN High Limit Controllers	\$660.00	
						3	Three ETR-9040 1/16 DIN High Limit Controllers	\$990.00	
							Code	Ground Fault Sensing/Interrupt, Cabinet Heater, and "Z" Purge Pressurization Option	Adder
						0	None	N/C	
						1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch**	\$975.00	
						2	Cabinet Heater	\$500.00	
						3	"Z" Purge Pressurization System	\$3,500.00	
						4	Ground Fault Monitor & Cabinet Heater	\$1,475.00	
						5	Ground Fault Monitor and "Z" Purge System	\$4,475.00	
						6	Ground Fault Monitor, Cabinet Heater and "Z" Purge System	\$4,975.00	
						7	Cabinet Heater and "Z" Purge System	\$4,000.00	
							Code	Options	Adder
						0	None	N/C	
						4	Ammeter & Voltmeter	\$1,750.00	
TC-4432-	624	5	3	1	0	0	Typical Model Number (TC-4432-62453100)		

Technical Notes:

Load Fuse Current Rating Reflects 125% of Actual Load Amps.

* External Cooling Required

** Ground fault detection requires grounded supply.

TC-4436 Power Contactor Panel™

Model

TC-4436 Three Phase Contactor Power Control Panel

Panel Configuration

cUL and UL Listed Three Phase Contactor Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 304 4X Stainless Steel rated Enclosure for Indoor/Outdoor Applications, Main Magnetic Disconnect Switch with Shunt Trip Feature, Three-Pole Contactors, and Sub-Circuit Fusing. Options Include: Process Controller, Hi-Limit Controllers, Stepper, SCR Trim Load, Ground Fault Monitor, Ammeter with Phase Selector Switch, Voltmeter with Phase Selector Switch, Floor Stand Kit, Enclosure Heater, and Type Z Pressurization System.

Code Current @ 40° C (104° F) Ambient with NO SOLAR LOAD

Code	Circuits	Max. Amps/Ckt	Total Amps	Fuse Amps	Enclosure Dimensions	Base Price
124	1	24	24	30	(24"H x 24"W x 12"D)	\$4,045.00
148	1	48	48	60	(24"H x 24"W x 12"D)	\$4,150.00
180	1	80	80	100	(24"H x 24"W x 12"D)	\$4,410.00
196	1	96	96	120	(24"H x 24"W x 12"D)	\$4,725.00
224	2	24	48	30	(36"H x 30"W x 12"D)	\$5,525.00
248	2	48	96	60	(36"H x 30"W x 12"D)	\$5,850.00
280	2	80	160	100	(36"H x 30"W x 12"D)	\$6,100.00
296	2	96	192	120	(48"H x 36"W x 12"D)	\$7,725.00
324	3	24	72	30	(48"H x 36"W x 12"D)	\$8,050.00
348	3	48	144	60	(48"H x 36"W x 12"D)	\$8,575.00
380	3	80	240	100	(48"H x 36"W x 12"D)	\$9,150.00
396	3	96	288	120	(48"H x 36"W x 12"D)	\$10,250.00
424	4	24	96	30	(48"H x 36"W x 12"D)	\$8,825.00
448	4	48	192	60	(48"H x 36"W x 12"D)	\$9,400.00
480	4	80	320	100	(48"H x 36"W x 12"D)	\$9,675.00
496	4	96	384	120	(48"H x 36"W x 12"D)	\$10,775.00
524	5	24	120	30	(48"H x 36"W x 12"D)	\$9,400.00
548	5	48	240	60	(48"H x 36"W x 12"D)	\$9,925.00
580	5	80	400	100		Consult Factory*
596	5	96	480	120		Consult Factory*
624	6	24	144	30	(48"H x 36"W x 12"D)	\$10,500.00
648	6	48	288	60	(48"H x 36"W x 12"D)	\$11,025.00
680	6	80	480	100		Consult Factory*
696	6	96	576	120		Consult Factory*

Code Voltage

1	208 Vac	N/C
2	240 Vac	N/C
3	380 Vac	N/C
4	415 Vac	N/C
5	480 Vac	N/C
6	575 Vac	N/C

Code Process Controller Options

Code	Process Controller Options	Adder
0	Customer Supplied Signal	N/C
1	ETR-9300 1/6 DIN Temperature Controller	\$330.00
2	Customer Supplied Digital Signal to Stepper	\$1,025.00
3	ETR-9300 1/6 DIN Temperature Controller and Stepper	\$1,400.00
4	Customer Supplied Digital Signal for Stepper and One 24 or 48 Amp SCR Circuit Trim	\$1,800.00
5	ETR-9300, Stepper and One 24 or 48 Amp SCR Circuit Trim	\$2,000.00
6	Customer Supplied Digital Signal for Stepper and One 80 or 96 Amp SCR Circuit Trim	\$2,225.00
7	ETR-9300, Stepper and One 80 or 96 Amp SCR Circuit Trim	\$2,400.00

(Continued on next page)

TC-4436 Power Contactor Panel™ (continued)

						Code	Overtemperature Controller Options	
						0	None	N/C
						1	One ETR-9040 1/16 DIN High Limit Controller	\$330.00
						2	Two ETR-9040 1/16 DIN High Limit Controllers	\$660.00
						3	Three ETR-9040 1/16 DIN High Limit Controllers	\$990.00
						Code	Ground Fault Sensing/Interrupt, Cabinet Heater, and "Z" Purge Pressurization Option	Adder
						0	None	N/C
						1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch	\$975.00
						2	Cabinet Heater	\$500.00
						3	"Z" Purge Pressurization System	\$3,500.00
						4	Ground Fault Monitor & Cabinet Heater	\$1,475.00
						5	Ground Fault Monitor and "Z" Purge System	\$4,475.00
						6	Ground Fault Monitor, Cabinet Heater and "Z" Purge System	\$4,975.00
						7	Cabinet Heater and "Z" Purge System	\$4,000.00
						Code	Options	Adder
						0	None	N/C
						4	Ammeter & Voltmeter	\$1,750.00
TC-4436-	624	5	3	1	0	0	Typical Model Number (TC-4436-62453100)	

Technical Notes:

Load Fuse Current Rating Reflects 125% of Actual Load Amps.

*External Cooling Required



Sensors, Thermocouple Wire & Accessories Price List

Stock Status

All sensors are non-stock built to order: Standard lead time is 10 days. Contact sales for expedited lead time and fees.

Price List Format

Sensors and thermocouple wire part numbers are selected from their respective order tables found in the catalog or from the on-line configurator program. The pricing tables indicate examples based on the specific options selected in the order table. Price is in US dollars.

Quantity Discount

- Quantity 1-4, List price from pricing table
- Quantity 5-24, 13% discount form list price
- Quantity 25-49, 16% discount form list price
- Quantity 50-100, 20% discount form list price
- Quantity 100+, contact sales

Price List Format

All items are schedule "A" product discounts. Sales discount applies after the quantity discount.
Example: List price from table is \$100.00. Order quantity is 50 pieces. Quantity discount is 20%.
Schedule "A" discount is 35%.

List=\$100.00

50 piece quantity discount (20%) = $\$100.00 \times .20 = \20.00

Discounted List price = $\$100.00 - \$20.00 = \$80.00$

Schedule "A" Discount (35%) = $\$80.00 \times .35 = \28.00

Sales price = $\$80.00 - \$28.00 = \$52.00$

MGO Thermocouples

CODE	Thermocouple Alloy	Min Temp F.	Max Temp F.
J	Iron/Constantan	32	700
K	Chromel/Alumel	32	1600
T	Copper/Constantan	-328	400
E	Chromel/Constantan	32	800

CODE	Number of Elements
S	One (Single)
D	Two (Dual)

CODE	Sheath Diameter
A	1/16"
B	1/8"
C	3/16"
E	1/4"
F	3/8"

CODE	Sheath Material	Thermocouple Type
2	304 Stainless Steel = General Purpose, Good Corrosion Resistance	J,K,T,E
3	316 Stainless Steel = Superior corrosion resistance	J,K,T,E
4	Inconel 600 = Excellent Corrosion Resistance at High Temperatures	J,K

CODE	Junction
G	Grounded
U	Ungrounded
E	Exposed (Not available on 1/16" Diameter Sheath)

CODE	PROBE LENGTH (On bent T/Cs PROBE LENGTH = Hot Leg + Cold Leg)
XXX	XXX = Probe Length in inches

CODE	Fraction of an Inch Probe Lengths**
A	None
B	1/4"
C	1/2"
E	3/4"

CODE	Sheath Bend Angle and Length**
000	None
2XX	45° Sheath Bend, XX = length in inches from Probe Tip to start of bend (hot leg).
3XX	90° Sheath Bend, XX = length in inches from Probe Tip to start of bend (hot leg).

CODE	Junction Fitting
J1	None (Epoxy Seal)
J3	1/2" x 1/2" NPT 316 Stainless Steel Hex Nipple (For Connection Head or Replacement Probe)
J4	Spring Loaded 1/2" x 1/2" NPT 316 Stainless Steel Hex Nipple (Connection Head Use Only!)
J5	Stainless Steel Transition Joint (400°F Max) with spring style strain relief
J6	Stainless Steel Transition Joint with High Temp. Potting (1000°F) with spring style strain relief
J7	Stainless Steel Transition fitting without strain relief
J8	Stainless Steel Transition fitting same diameter as sheath. (Not available on 1/16" Diameter Sheath)
JC	1/2" NPT Fixed Bushing 316 Stainless Steel

CODE	Lead-Wire Type & Connection Head Options – Thermocouple Types
NA	None J,K,T,E
F1	Fiberglass insulation - solid conductor J,K,T
F2	Fiberglass insulation - solid conductor - flexible armor J,K,T
F3	Fiberglass insulation - solid conductor - stainless steel overbraid J,K
F4	Fiberglass insulation - Stranded conductor J,K
F5	Fiberglass insulation - Stranded conductor - flexible armor J,K
F6	Fiberglass insulation - Stranded conductor - stainless steel overbraid J
T1	Teflon insulation - solid conductor J,K,T
T2	Teflon insulation - solid conductor - flexible armor J,K,T
T3	Teflon insulation - Stranded conductor J,K
T4	Teflon insulation - Stranded conductor - flexible armor J,K
H1	Cast Aluminum Connection Head with Terminal Block J,K,T,E
H2	Flip Top Aluminum Connection Head with Terminal Block J,K,T,E
H4	Explosion Proof-316L SS Connection Head with Terminal Block J,K,T,E
H5	316L Stainless Steel Connection Head with Terminal Block J,K,T,E
H7	Cast Iron Connection Head with Terminal Block J,K,T,E
H8	Explosion Proof-Cast Iron/Alum Connection Head with Terminal Block

MGO Thermocouples (continued)

										CODE	Lead Length "F" Dimension
										XXX	XXX = Lead Length in inches
										CODE	Termination Options – Thermocouple Types
										01	None J,K,T,E
										02	Leads stripped 2" J,K,T,E
										03	Leads stripped 2" with spade lugs J,K,T,E
										04	Leads stripped 2" with 1/2" NPT Bx connector J,K,T,E
										05	Leads stripped 2" with spade lugs & 1/2" NPT Bx connector J,K,T,E
										06	Standard thermocouple plug* J,K,T
										07	Standard thermocouple jack* J,K,T
										08	Standard thermocouple plug with mating connector* J,K,T
										09	Standard thermocouple jack with mating connector* J,K,T
										10	Miniature thermocouple plug* J,K
										11	Miniature thermocouple jack* J,K
										12	Miniature thermocouple plug with mating connector* J,K
										13	Miniature thermocouple jack with mating connector* J,K
										* Plugs and Jacks 500°F maximum temperature, single element thermocouples only	
										Thermowells for 1/4" diameter Probes (4" to 26" length), Connection Head H8 only	
										18	Matching Built-Up Protection Wells, External 1/2" NPT and Internal 1/2" NPT, 316SS, .260 Bore
										CODE	
										G	Add to complete model number

J S E 2 U- 012 A 000- J5 T3 036- 02 G Typical PN: JSE2U-012A000-J5T3036-02G

**Under 10: probe lengths can be combined to obtain fractional sizes. Examples: 29C = 45°, 9-1/2";
36E = 90°, 6-3/4"

Schedule A

MGO Filled Thermocouples

Typical PN: JSE2U-012A000-J5T3036-02G

Pricing Step 1	Junction type	Code U	Adder \$3.55
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Junction Type		
Code	Single	Dual
G	N/C	N/C
U	\$3.55	\$5.95
E	\$2.50	\$4.90

Pricing Step 2	Probe length	Code 012	Adder \$18.20
----------------	--------------	----------	---------------

Probe length in inches		
Code	12" Base Price + Adder for each additional 6" from table	
XXX		

Examples:
 JSE2 12" probe = \$18.20
 JSE2 18" probe = \$18.20 + (1 x \$4.60) = \$22.80
 JSE2 24" probe = \$18.20 + (2 x \$4.60) = \$27.40

Pricing Step 3	Fractional length	Code A	Adder \$0.00
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Fractional Probe length		
Code		
A	\$0.00	
B	\$0.00	
C	\$0.00	
D	\$0.00	

Pricing Step 4	Sheath bend	Code 000	Adder \$0.00
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Sheath Bends		
Code		
000	\$0.00	
2XX	\$2.50	
3XX	\$2.50	

Pricing Step 5	Junction Fitting	Code J5	Adder \$11.35
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Junction Fitting		
Code	Single	Dual
J1	\$0.00	\$0.00
J3	\$25.90	\$25.90
J4	\$27.70	\$27.70
J5	\$11.35	\$16.05
J6	\$11.35	\$16.05
J7	\$10.10	\$14.80
J8	\$24.75	NA
JC	\$21.45	\$21.45

Pricing Step 6	Lead wire	Code T3	Adder \$0.00
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Lead-Wire & Connection Head Options		
Code	Single	Dual
NA	\$0.00	\$0.00
F1	\$0.00	\$0.00
F2	\$0.00	\$0.00
F3	\$0.00	\$0.00
F4	\$0.00	\$0.00
F5	\$0.00	\$0.00
F6	\$0.00	\$0.00
T1	\$0.00	\$0.00
T2	\$0.00	\$0.00
T3	\$0.00	\$0.00
T4	\$0.00	\$0.00
H1	\$33.40	\$38.30
H2	\$39.40	\$48.90
H4	\$150.70	\$155.10
H5	\$100.50	\$106.00
H7	\$43.70	\$48.05
H8	\$83.00	\$90.70

Pricing Step 7	Lead Length	Code 036	Adder \$3.75
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Lead length in inches		
Code		
000	Code for H1-H8 (no adder)	
XXX	Lead wire adder per foot from table, round up to even foot length	

Examples:
 36" of T3 lead wire = 3 x \$1.25 = \$3.75

Pricing Step 8	Terminations	Code 02	Adder \$2.50
----------------	--------------	---------	--------------

Termination Options		
Code	Single	Dual
01	\$0.00	\$0.00
02	\$2.50	\$4.20
03	\$2.85	\$5.70
04	\$4.90	\$6.90
05	\$5.30	\$8.20
06	\$10.75	NA
07	\$10.75	NA
08	\$11.15	NA
09	\$11.15	NA
10	\$10.10	NA
11	\$10.60	NA
12	\$16.15	NA
13	\$16.15	NA

Thermowells		
Code	4"-14"	14"-26"
18	\$67.95	\$88.00

Single Element			
Code	12" Base	6" adder	
JSA2	\$14.00	\$1.25	
JSA3	\$14.15	\$1.35	
JSA4	\$14.70	\$1.60	
JSB2	\$10.40	\$1.70	
JSB3	\$10.75	\$2.00	
JSB4	\$12.60	\$2.50	
JSC2	\$13.00	\$2.85	
JSC3	\$13.35	\$3.15	
JSC4	\$17.20	\$3.85	
JSE2	\$18.20	\$4.60	
JSE3	\$29.55	\$5.00	
JSE4	\$29.95	\$6.05	
JSF2	\$29.95	\$9.30	
JSF3	\$30.80	\$9.90	
JSF4	\$47.25	\$11.25	
KSA2	\$13.95	\$1.25	
KSA3	\$14.15	\$1.35	
KSA4	\$14.70	\$1.60	
KSB2	\$10.40	\$1.70	
KSB3	\$10.75	\$2.00	
KSB4	\$12.60	\$2.50	
KSC2	\$13.00	\$2.85	
KSC3	\$13.35	\$3.15	
KSC4	\$17.20	\$3.85	
KSE2	\$18.20	\$4.60	
KSE3	\$29.55	\$5.00	
KSE4	\$19.55	\$6.05	
KSF2	\$29.95	\$9.30	
KSF3	\$30.80	\$9.90	
KSF4	\$47.25	\$11.25	
TSA2	\$16.35	\$1.35	
TSA3	\$17.20	\$1.50	
TSB2	\$11.55	\$2.40	
TSB3	\$12.30	\$2.50	
TSC2	\$15.10	\$3.15	
TSC3	\$16.25	\$3.25	
TSE2	\$21.25	\$5.10	
TSE3	\$22.50	\$5.75	
TSF2	\$34.55	\$10.10	
TSF3	\$36.60	\$10.75	
ESA2	\$15.10	\$1.35	
ESA3	\$17.40	\$1.50	
ESB2	\$12.20	\$2.00	
ESB3	\$12.90	\$2.20	
ESC2	\$15.10	\$3.15	
ESC3	\$16.25	\$3.35	
ESE2	\$19.70	\$5.40	
ESE3	\$20.70	\$5.75	
ESF2	\$29.55	\$8.95	
ESF3	\$31.30	\$9.60	

Dual Element			
Code	12" Base	6" adder	
JDA2	\$20.20	\$1.90	
JDA3	\$20.50	\$2.20	
JDA4	\$21.45	\$2.40	
JDB2	\$13.00	\$2.50	
JDB3	\$13.45	\$3.15	
JDB4	\$16.25	\$3.35	
JDC2	\$16.45	\$3.65	
JDC3	\$16.65	\$4.70	
JDC4	\$21.45	\$4.90	
JDE2	\$22.50	\$5.55	
JDE3	\$23.00	\$7.10	
JDE4	\$35.30	\$7.40	
JDF2	\$34.35	\$10.50	
JDF3	\$35.15	\$12.40	
JDF4	\$52.85	\$13.00	
KDA2	\$20.20	\$1.90	
KDA3	\$20.50	\$2.20	
KDA4	\$21.45	\$2.40	
KDB2	\$13.00	\$2.50	
KDB3	\$13.45	\$3.15	
KDB4	\$16.25	\$3.35	
KDC2	\$16.45	\$3.65	
KDC3	\$16.65	\$4.70	
KDC4	\$21.45	\$4.90	
KDE2	\$22.50	\$5.55	
KDE3	\$23.00	\$7.10	
KDE4	\$35.30	\$7.40	
KDF2	\$34.35	\$10.50	
KDF3	\$35.15	\$12.40	
KDF4	\$52.85	\$13.00	
TDA2	\$22.60	\$2.00	
TDA3	\$23.95	\$2.10	
TDB2	\$16.25	\$3.35	
TDB3	\$17.30	\$3.55	
TDC2	\$17.05	\$3.85	
TDC3	\$18.10	\$3.95	
TDE2	\$23.30	\$6.05	
TDE3	\$24.90	\$6.25	
TDF2	\$38.40	\$12.00	
TDF3	\$40.25	\$12.60	
EDA2	\$21.45	\$2.40	
EDA3	\$23.85	\$2.50	
EDB2	\$14.25	\$2.60	
EDB3	\$15.10	\$2.85	
EDC2	\$17.20	\$3.65	
EDC3	\$18.20	\$3.85	
EDE2	\$23.65	\$6.05	
EDE3	\$25.15	\$6.35	
EDF2	\$34.55	\$10.10	
EDF3	\$36.30	\$10.75	

Code	Lead-Wire Adder Per Foot					
	Type J		Type K		Type T	
	Single	Dual	Single	Dual	Single	Dual
NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
F1	\$1.05	\$1.60	\$1.25	\$1.80	\$1.05	\$1.60
F2	\$2.60	\$3.25	\$2.95	\$3.25	\$2.40	\$3.05
F3	\$1.60	\$2.40	\$2.00	\$2.40	NA	NA
F4	\$1.15	\$1.70	\$1.25	\$2.50	NA	NA
F5	\$2.85	\$3.25	\$3.25	\$3.85	NA	NA
F6	\$1.60	\$2.70	\$2.10	\$2.50	NA	NA
T1	\$1.15	\$1.70	\$1.25	\$2.00	\$1.15	\$2.10
T2	\$2.60	\$3.15	\$2.70	\$3.45	\$2.20	\$3.55
T3	\$1.25	\$2.00	\$1.70	\$2.20	NA	NA
T4	\$2.85	\$3.45	\$3.25	\$3.65	NA	NA

JSE2U-012A000-J5T303602G
 Total \$39.35

Schedule A

Plastics Industry Thermocouples

Thermocouple Alloy		Min Temp F.	Max Temp F.
JP	Iron/Constantan	32	700
KP	Chromel/Alumel	32	1600
TP	Copper/Constantan	-328	400
CODE Number of Elements			
S	One (Single)		
D	Two (Dual)		
CODE Sheath Diameter			
B	1/8" (Not Available in Dual Elements)		
C	3/16"		
E	1/4"		
CODE Sheath Material			
2	304 Stainless Steel = General purpose, good corrosion resistance		
3	316 Stainless Steel = Superior corrosion resistance		
CODE Junction Note: Round Tip Standard			
G	Grounded		
U	Ungrounded		
CODE PROBE LENGTH (Max. Length 120") (On bent T/Cs PROBE LENGTH = Hot Leg + Cold Leg)			
XXX	XXX = Probe Length in inches		
CODE Fraction of an inch Probe Lengths **			
A	None		
B	1/4"		
C	1/2"		
E	3/4"		
CODE Sheath Bend Angle and Length**			
000	None		
2XX	45° Sheath Bend, XX = length in inches from Probe Tip to start of bend (hot leg).		
3XX	90° Sheath Bend, XX = length in inches from Probe Tip to start of bend (hot leg).		
CODE Junction Fitting			
J2	Crimped		
J9	7/16" ID Single slot spring loaded bayonet fitting (3/16" Diameter Sheath Only)		
CODE Lead-Wire Type Thermocouple Types			
NA	None		J,K,T
F1	Fiberglass insulation - solid conductor		J,K,T
F2	Fiberglass insulation - solid conductor - flexible armor		J,K,T
F3	Fiberglass insulation - solid conductor - stainless steel overbraid		J,K
F4	Fiberglass insulation - Stranded conductor		J,K
F5	Fiberglass insulation - Stranded conductor - flexible armor		J,K
F6	Fiberglass insulation - Stranded conductor - stainless steel overbraid		J
T1	Teflon insulation - solid conductor		J,K,T
T2	Teflon insulation - solid conductor - flexible armor		J,K,T
T3	Teflon insulation - Stranded conductor		J,K
T4	Teflon insulation - Stranded conductor - flexible armor		J,K
CODE Lead Length "F" Dimension			
XXX	XXX = Lead Length in inches		
CODE Termination Options Thermocouple Types			
01	None		J,K,T
02	Leads stripped 2"		J,K,T
03	Leads stripped 2" with spade lugs		J,K,T
04	Leads stripped 2" with 1/2" NPT Bx connector		J,K,T
05	Leads stripped 2" with spade lugs & 1/2" NPT Bx connector		J,K,T
06	Standard thermocouple plug*		J,K,T
07	Standard thermocouple jack*		J,K,T
08	Standard thermocouple plug with mating connector*		J,K,T
09	Standard thermocouple jack with mating connector*		J,K,T
10	Miniature thermocouple plug*		J,K
11	Miniature thermocouple jack*		J,K
12	Miniature thermocouple plug with mating connector*		J,K
13	Miniature thermocouple jack with mating connector*		J,K
* Plugs and Jacks 500°F maximum temperature, single element thermocouples only			

Plastics Industry Thermocouples (continued)

												CODE	
												G	Add to complete model number
JP	S	C	3	U-	012	A	000-	J9	T3	036-	02	G	Typical PN: (JPSC3U-012A000-J9T3036-02G)
<p>**Under 10: probe lengths can be combined to obtain fractional sizes. Examples: 29C = 45°, 9-1/2"; 36E = 90°, 6-3/4"</p>													
												Schedule A	

Plastics Industry Thermocouples

Typical PN: JPSC3U-012A000-J9T3036-02G

Pricing		Code	Adder
Step 1	Junction type	U	\$0.00

Junction Type		
Code	Single	Dual
G	\$0.00	\$0.00
U	\$0.00	\$0.00

Step 2	Probe length	Code	Adder
		012	\$10.10

Probe length in inches		
Code		
XXX	12" Base Price + Adder for each additional 6" from table	

Examples:
 JPSC3 12" probe = \$10.10
 JPSC3 18" probe = \$10.10 + (1 X \$2.60) = \$12.70
 JPSC3 24" probe = \$10.10 + (2 X \$2.60) = \$15.30

Step 3	Fractional length	Code	Adder
		A	\$0.00

Fractional Probe length		
Code	Single	Dual
A	\$0.00	
B	\$0.00	
C	\$0.00	
D	\$0.00	

Step 4	Sheath bend	Code	Adder
		000	\$0.00

Sheath Bends		
Code	Single	Dual
000	\$0.00	\$0.00
2XX	\$3.15	\$3.15
3XX	\$3.15	\$3.15

Step 5	Junction Fitting	Code	Adder
		J9	\$6.05

Junction Fitting		
Code	Single	Dual
J2	\$0.00	\$0.00
J9	\$6.05	\$6.05

Step 6	Lead wire	Code	Adder
		T3	\$0.00

Lead-Wire & Connection Head Options		
Code	Single	Dual
NA	\$0.00	\$0.00
F1	\$0.00	\$0.00
F2	\$0.00	\$0.00
F3	\$0.00	\$0.00
F4	\$0.00	\$0.00
F5	\$0.00	\$0.00
F6	\$0.00	\$0.00
T1	\$0.00	\$0.00
T2	\$0.00	\$0.00
T3	\$0.00	\$0.00
T4	\$0.00	\$0.00

Single Element		
Code	12" Base	6" adder
JPSB2	\$10.10	\$2.50
JPSB3	\$10.10	\$2.60
JPSC2	\$9.60	\$2.50
JPSC3	\$10.10	\$2.60
JPSE2	\$9.60	\$2.50
JPSE3	\$10.10	\$2.60
KPSB2	\$10.75	\$2.50
KPSB3	\$10.75	\$2.60
KPSC2	\$9.60	\$2.50
KPSC3	\$10.10	\$2.60
KPSE2	\$9.60	\$2.50
KPSE3	\$10.10	\$2.60
TPSB2	\$10.10	\$2.50
TPSB3	\$10.10	\$2.60
TPSC2	\$9.60	\$2.50
TPSC3	\$10.10	\$2.60
TPSE2	\$9.60	\$2.50
TPSE3	\$10.10	\$2.60

Dual Element		
Code	12" Base	6" adder
JPDB2	N/A	N/A
JPDB3	N/A	N/A
JPDC2	\$13.85	\$3.15
JPDC3	\$13.85	\$3.25
JPDE2	\$13.85	\$3.15
JPDE3	\$13.85	\$3.25
KPDB2	N/A	N/A
KPDB3	N/A	N/A
KPDC2	\$13.85	\$3.15
KPDC3	\$13.95	\$3.25
KPDE2	\$14.60	\$3.15
KPDE3	\$13.95	\$3.25
TPDB2	N/A	N/A
TPDB3	N/A	N/A
TPDC2	\$13.85	\$3.15
TPDC3	\$13.85	\$3.25
TPDE2	\$13.85	\$3.15
TPDE3	\$13.85	\$3.25

Step 7	Lead Length	Code	Adder
		036	\$3.75

Lead length in inches		
Code		
XXX	Lead wire adder per foot from table, round up to even foot length	

Examples:
 36" of T3 lead wire = 3 x \$1.25 = \$3.75

Step 8	Terminations	Code	Adder
		02	\$2.50

Termination Options		
Code	Single	Dual
01	\$0.00	\$0.00
02	\$2.50	\$4.40
03	\$2.85	\$5.95
04	\$4.90	\$7.20
05	\$5.35	\$8.55
06	\$10.75	NA
07	\$10.75	NA
08	\$17.40	NA
09	\$17.40	NA
10	\$10.10	NA
11	\$10.65	NA
12	\$16.15	NA
13	\$16.15	NA

Lead-Wire Adder Per Foot						
Code	Type J		Type K		Type T	
	Single	Dual	Single	Dual	Single	Dual
NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
F1	\$1.05	\$1.60	\$1.25	\$1.80	\$1.05	\$1.60
F2	\$2.60	\$3.25	\$2.95	\$3.25	\$2.40	\$3.05
F3	\$1.60	\$2.40	\$2.00	\$2.40	NA	NA
F4	\$1.15	\$1.70	\$1.25	\$2.50	NA	NA
F5	\$2.85	\$3.25	\$3.25	\$3.85	NA	NA
F6	\$1.60	\$2.70	\$2.10	\$2.50	NA	NA
T1	\$1.15	\$1.70	\$1.25	\$2.00	\$1.15	\$2.10
T2	\$2.60	\$3.15	\$2.70	\$3.45	\$2.20	\$3.55
T3	\$1.25	\$2.00	\$1.70	\$2.20	NA	NA
T4	\$2.85	\$3.45	\$3.25	\$3.65	NA	NA

JPSC3U-012A000-J9T303602G	Total
	\$22.40

Schedule A

Adjustable Depth Sensors

ADS		ADJUSTABLE DEPTH SENSOR		
	CODE	Adjustment Type		
	S	Spring		
	C	Conduit		
	CODE	Thermocouple Alloy	Min Temp F.	Max Temp F.
	J	Iron/Constantan	32	700
	K	Chromel/Alumel	32	1600
	T	Copper/Constantan	-328	400
	CODE	Lead Wire Type	Thermocouple Types	
	F4	Fiberglass insulation - Stranded conductor	J,K	
	F6	Fiberglass insulation - Stranded conductor - stainless steel overbraid	J,K,T	
	T3	Teflon insulation - Stranded conductor	J,K,T	
	CODE	Lead Length "F" Dimension		
	XXX	XXX = Lead Length in inches		
	CODE	Termination Options	Thermocouple Types	
	01	None	J,K,T	
	02	Leads stripped 2"	J,K,T	
	03	Leads stripped 2" with spade lugs	J,K,T	
	04	Leads stripped 2" with 1/2" NPT Bx connector	J,K,T	
	05	Leads stripped 2" with spade lugs & 1/2" NPT Bx connector	J,K,T	
	06	Standard thermocouple plug*	J,K,T	
	07	Standard thermocouple jack*	J,K,T	
	08	Standard thermocouple plug with mating connector*	J,K,T	
	09	Standard thermocouple jack with mating connector*	J,K,T	
	10	Miniature thermocouple plug*	J,K	
	11	Miniature thermocouple jack*	J,K	
	12	Miniature thermocouple plug with mating connector*	J,K	
	13	Miniature thermocouple jack with mating connector*	J,K	
		* Plugs and Jacks 500°F maximum temperature		
	CODE			
	G	Add to complete model number		
ADS-	S	J	F6-	036 02 G Typical PN: (ADS-SJF6-03602G)

Schedule A

Adjustable Depth Sensors

Typical PN: ADS-SJF6-03602G

Pricing	Code	Adder
Step 1 Adjustment type	S	\$10.75

Code	Adder
Step 2 Thermocouple Alloy	J \$0.00

Code	Adder
Step 3 Lead wire	F6 \$0.00

Code	Adder
Step 4 Lead length	036 \$4.80

Code	Adder
Step 5 Terminations	02 \$2.50

Adjustment Type	
Code	Adder
S	\$10.75
C	\$10.75

Thermocouple Alloy	
Code	Adder
J	\$0.00
K	\$0.75
T	\$0.75

Lead wire type	
Code	Adder
F4	\$0.00
F6	\$0.00
T3	\$0.00

Lead length in inches	
Code	Adder
XXX	Lead wire adder per foot from table, round up to even foot length

Examples:
36" of Type J, F6 lead wire = 3 x \$1.60 = \$4.80

Lead-Wire Adder Per Foot			
	Type J	Type K	Type T
Code	Single	Single	Single
F2	\$2.60	\$2.95	\$2.40
F3	\$1.60	\$2.00	NA
F4	\$1.15	\$1.70	NA
F5	\$2.85	\$3.25	NA
F6	\$1.60	\$2.10	NA
T2	\$2.60	\$2.75	\$2.20
T3	\$1.25	\$1.70	NA
T4	\$2.85	\$3.25	NA

Termination Options	
Code	Adder
01	\$0.00
02	\$2.50
03	\$2.95
04	\$4.90
05	\$5.45
06	\$10.75
07	\$10.75
08	\$17.40
09	\$17.40
10	\$10.10
11	\$10.65
12	\$16.25
13	\$16.25

ADS-SJF6-03602G	Total \$18.05
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Ring Type Thermocouples

RTT Ring Type Thermocouple, Nickel plated						
CODE	Thermocouple Alloy	Min Temp F.	Max Temp F.			
J	Iron/Constantan	32	700			
K	Chromel/Alumel	32	1600			
T	Copper/Constantan	-328	400			
CODE Lead Length "F" Dimension, Lead Wire is Fiberglass insulation - Stranded conductor - stainless steel overbraid						
XXX	XXX = Lead Length in inches					
CODE Hole Size						
C	3/16"					
F	3/8"					
CODE Termination Options						
						Thermocouple Types
01	None					J,K,T
02	Leads stripped 2"					J,K,T
03	Leads stripped 2" with spade lugs					J,K,T
04	Leads stripped 2" with 1/2" NPT Bx connector					J,K,T
05	Leads stripped 2" with spade lugs & 1/2" NPT Bx connector					J,K,T
06	Standard thermocouple plug*					J,K,T
07	Standard thermocouple jack*					J,K,T
08	Standard thermocouple plug with mating connector*					J,K,T
09	Standard thermocouple jack with mating connector*					J,K,T
10	Miniature thermocouple plug*					J,K
11	Miniature thermocouple jack*					J,K
12	Miniature thermocouple plug with mating connector*					J,K
13	Miniature thermocouple jack with mating connector*					J,K
* Plugs and Jacks 500°F maximum temperature						
CODE						
G	Add to complete model numer					
RTT-	J	036	C	02	G	Typical PN: (RTT-J036C02G)

Schedule A

Ring Type Thermocouples

Typical PN: RTT-J036C02G

Pricing		Code	Adder
Step 1	Ring Type	RTT	\$7.20

Ring Type Thermocouple	
Code	
RTT	\$7.20

		Code	Adder
Step 2	Thermocouple Alloy	J	\$0.00

Thermocouple Alloy	
Code	
J	\$0.00
K	\$0.00
T	\$0.00

		Code	Adder
Step 3	Lead length	036	\$4.80

Lead length in inches	
Code	
XXX	Lead wire adder per foot from table, round up to even foot length

Lead-Wire Adder Per Foot			
Code	Type J	Type K	Type T
	\$1.60	\$2.10	\$2.00

Examples:
36" of Type J lead wire = 3 x \$1.60 = \$4.80

		Code	Adder
Step 4	Hole Size	C	\$0.00

Hole Size	
Code	
C	\$0.00
F	\$0.00

		Code	Adder
Step 5	Terminations	02	\$2.50

Termination Options	
Code	
01	\$0.00
02	\$2.50
03	\$2.95
04	\$4.90
05	\$5.45
06	\$10.75
07	\$10.75
08	\$17.40
09	\$17.40
10	\$10.10
11	\$10.65
12	\$16.25
13	\$16.25

RTT-J036C02G	Total
	<u>\$14.50</u>

Nozzle Type Thermocouples

NTT Nozzle Type Thermocouple							
CODE	Thermocouple Alloy	Min Temp F.	Max Temp F.				
J	Iron/Constantan	32	700				
K	Chromel/Alumel	32	1600				
T	Copper/Constantan	-328	400				
CODE	Lead Wire Type, 20 gauge stranded conductor	Thermocouple Types					
F4	Fiberglass insulation - Stranded conductor	J,K					
F6	Fiberglass insulation - Stranded conductor - stainless steel overbraid	J,K,T					
T3	Teflon insulation - Stranded conductor	J,K,T					
CODE	Lead Length "F" Dimension						
XXX	XXX = Lead Length in inches						
CODE	Bolt Type						
F	Fixed						
R	Rotate Swivel						
CODE	Termination Options	Thermocouple Types					
01	None	J,K,T					
02	Leads stripped 2"	J,K,T					
03	Leads stripped 2" with spade lugs	J,K,T					
04	Leads stripped 2" with 1/2" NPT Bx connector	J,K,T					
05	Leads stripped 2" with spade lugs & 1/2" NPT Bx connector	J,K,T					
06	Standard thermocouple plug*	J,K,T					
07	Standard thermocouple jack*	J,K,T					
08	Standard thermocouple plug with mating connector*	J,K,T					
09	Standard thermocouple jack with mating connector*	J,K,T					
10	Miniature thermocouple plug*	J,K					
11	Miniature thermocouple jack*	J,K					
12	Miniature thermocouple plug with mating connector*	J,K					
13	Miniature thermocouple jack with mating connector*	J,K					
* Plugs and Jacks 500°F maximum temperature							
CODE							
G	Add to complete model number						
NTT-	J	F6	036	R	02	G	Typical PN: (NTT-JF6036R02G)

Schedule A

Nozzle Type Thermocouples

Typical PN: NNT-JF6036R02G

Pricing		Code	Adder
Step 1	Nozzle Type	NTT	\$20.20

Nozzle Type	
Code	
NTT-	\$20.20

		Code	Adder
Step 2	Thermocouple Alloy	J	\$0.00

Thermocouple Alloy	
Code	
J	\$0.00
K	\$0.00
T	\$0.00

		Code	Adder
Step 3	Lead wire	F6	\$0.00

Lead wire type	
Code	
F4	\$0.00
F6	\$0.00
T3	\$0.00

		Code	Adder
Step 4	Lead length	036	\$4.80

Lead length in inches	
Code	
XXX	Lead wire adder per foot from table, round up to even foot length

Lead-Wire Adder Per Foot			
Code	Type J	Type K	Type T
F4	\$1.15	\$1.70	NA
F6	\$1.60	\$2.10	\$2.00
T3	\$1.25	\$1.70	\$3.85

Examples:

36" of Type J, F6 lead wire = 3 x \$1.60 = \$4.80

		Code	Adder
Step 5	Bolt Type	R	\$0.00

Bolt Type	
Code	
F	\$0.00
R	\$0.00

		Code	Adder
Step 6	Terminations	02	\$2.50

Termination Options	
Code	
01	\$0.00
02	\$2.50
03	\$2.95
04	\$4.90
05	\$5.45
06	\$10.75
07	\$10.75
08	\$17.40
09	\$17.40
10	\$10.10
11	\$10.65
12	\$16.25
13	\$16.25

NNT-JF6036R02G		Total	\$27.50
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Surface Plate Thermocouples

SPT Surface Plate Thermocouple							
CODE	Thermocouple Alloy	Min Temp F.	Max Temp F.				
J	Iron/Constantan	32	700				
K	Chromel/Alumel	32	1600				
T	Copper/Constantan	-328	400				
CODE	Lead Wire Type, 20 gauge stranded conductor	Thermocouple Types					
F4	Fiberglass insulation - Stranded conductor	J,K					
F6	Fiberglass insulation - Stranded conductor - stainless steel overbraid	J,K,T					
T3	Teflon insulation - Stranded conductor	J,K,T					
CODE	Lead Length "F" Dimension						
XXX	XXX = Lead Length in inches						
CODE	Plate Size						
A	1"-x-1"						
B	3/4"-x-1"						
CODE	Termination Options	Thermocouple Types					
01	None	J,K,T					
02	Leads stripped 2"	J,K,T					
03	Leads stripped 2" with spade lugs	J,K,T					
04	Leads stripped 2" with 1/2" NPT Bx connector	J,K,T					
05	Leads stripped 2" with spade lugs & 1/2" NPT Bx connector	J,K,T					
06	Standard thermocouple plug*	J,K,T					
07	Standard thermocouple jack*	J,K,T					
08	Standard thermocouple plug with mating connector*	J,K,T					
09	Standard thermocouple jack with mating connector*	J,K,T					
10	Miniature thermocouple plug*	J,K					
11	Miniature thermocouple jack*	J,K					
12	Miniature thermocouple plug with mating connector*	J,K					
13	Miniature thermocouple jack with mating connector*	J,K					
* Plugs and Jacks 500°F maximum temperature							
CODE							
G	Add to complete model number						
SPT-	J	F6	036	A	02	G	Typical PN: (SPT-JF6036A02G)

Schedule A

Surface Plate Thermocouples

Typical PN: SPT-JF6036R02G

Pricing		Code	Adder
Step 1	Surface Plate Thermocouple	SPT	\$18.20

Surface Plate Thermocouple	
Code	
SPT-	\$18.20

		Code	Adder
Step 2	Thermocouple Alloy	J	\$0.00

Thermocouple Alloy	
Code	
J	\$0.00
K	\$0.00
T	\$0.00

		Code	Adder
Step 3	Lead wire	F6	\$0.00

Lead wire type	
Code	
F4	\$0.00
F6	\$0.00
T3	\$0.00

		Code	Adder
Step 4	Lead length	036	\$4.80

Lead length in inches	
Code	
XXX	Lead wire adder per foot from table, round up to even foot length

Lead-Wire Adder Per Foot			
Code	Type J	Type K	Type T
F4	\$1.15	\$1.70	NA
F6	\$1.60	\$2.10	\$2.00
T3	\$1.25	\$1.70	\$3.85

Examples:
36" of Type J, F6 lead wire = 3 x \$1.60 = \$4.80

		Code	Adder
Step 5	Plate Size	A	\$0.00

Plate Size	
Code	
A	\$0.00
B	\$0.00

		Code	Adder
Step 6	Termination Option	02	\$2.50

Termination Options	
Code	
01	\$0.00
02	\$2.50
03	\$2.95
04	\$4.90
05	\$5.45
06	\$10.75
07	\$10.75
08	\$17.40
09	\$17.40
10	\$10.10
11	\$10.65
12	\$16.25
13	\$16.25

SPT-JF6036R02G	Total
	<u>\$25.50</u>

Built-Up Thermowells

Thermowells for 1/4" diameter Probes (4" to 26" length)

BUTW	Built Up Thermowell with 0.50" O.D. and 0.26" I.D.				
	CODE	Bushing Threads			
	A	1/2 NPT Outside 1/2 NPT Inside			
		CODE	"B" Dimension		
		XXX	XXX = length in Inches		
			CODE	Fraction of an inch	
			A	None	
			B	1/4"	
			C	1/2"	
			E	3/4"	
			CODE		
			G	Add to complete model number	
BUTW-	A	012	A	G	Typical PN: (BUTW-A012AG)
					Schedule A

Built Up Thermowells

Thermowells for 1/4" diameter Probes (4" to 26" length)

Typical PN: BUTW-A012AG

Pricing		Code	Adder
Step 1	Built Up Thermowell	BUTW	\$0.00

Built Up Thermowell	
Code	
BUTW-	\$0.00

Pricing		Code	Adder
Step 2	Bushing Thread	A	\$0.00

Bushing Threads	
Code	
A	\$0.00

Pricing		Code	Adder
Step 3	Length Dimension	012	\$67.95

Length dimension in inches ("B" Dimension)		
Code	4" to 14"	14" to 26"
XXX	\$67.95	\$88.00

Pricing		Code	Adder
Step 4	Fractional length	A	\$0.00

Fractional Probe length		
Code		
A	\$0.00	
B	\$0.00	
C	\$0.00	
D	\$0.00	

BUTW-A012AG		Total	\$67.95
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Thermocouple Wire

TCW		Thermocouple Wire					
CODE	Wire Gauge						
20 24							
CODE	Thermocouple Alloy						
J K	Iron/Constantan Chromel/Alumel						
CODE	Insulation						
F B T	Fiberglass insulation Fiberglass insulation - stainless steel overbraid Teflon insulation						
CODE	Conductor						
S T	Solid Stranded						
CODE	Length						
XXX	XXX = length in feet						
CODE							
G	Add to complete model number						
TCW-	20	J	F	S-	100	G	Typical PN: (TCW-20JFS-100G)
Note: Up to 1,000' rolls							

Schedule A

Thermocouple Wire

Typical PN: TCW-20JFS-100G

Pricing		Code	Adder
Step 1	Thermocouple wire	TCW	\$10.10

Thermocouple Wire	
Code	
TCW-	\$10.10

		Code	Adder
Step 2	Wire guage	20	\$0.00

Wire guage	
Code	
20	\$0.00
24	\$0.00

		Code	Adder
Step 3	Thermocouple Alloy	J	\$0.00

Thermocouple Alloy	
Code	
J	\$0.00
K	\$0.00

		Code	Adder
Step 4	Insulation Type	F	\$0.00

Insulation Type	
Code	
F	\$0.00
B	\$0.00
T	\$0.00

		Code	Adder
Step 5	Conductor type	S	\$0.00

Conductor Type	
Code	
S	\$0.00
T	\$0.00

		Code	Adder
Step 6	Lead length	100	\$105.00

Lead length in feet	
Code	
XXX	Lead wire adder per foot from table, round up to even foot length

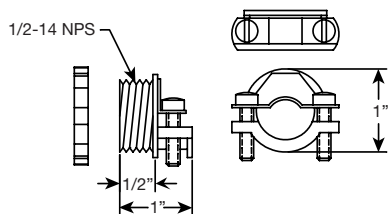
Examples:

100 FEET of 20JFS lead wire = 100 x \$1.05 = \$105.00

Leadwire price per foot ("F" dimension)			
20 Gauge	Price/Ft	24 Gauge	Price/Ft
20JFS	\$1.05	24JFS	\$0.95
20JFT	\$1.15	24JFT	\$1.05
20JTS	\$1.15	24JTS	\$1.05
20JTT	\$1.25	24JTT	\$1.15
20JBS	\$1.60	24JBS	\$1.50
20JBT	\$1.70	24JTS	\$1.60
20KFS	\$1.50	24KFS	\$1.40
20KFT	\$1.60	24KFT	\$1.50
20KTS	\$1.60	24KTS	\$1.50
20KTT	\$1.70	24KTT	\$1.60
20KBS	\$2.20	24KBS	\$2.10
20KBT	\$2.30	24KTS	\$2.20

TCW-20JFS-100G \$115.10

Accessories



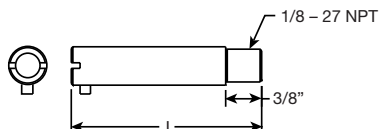
BX Connector 1/2" NPT

Part Number	Material	Price
PC4387-1	Galv. Steel	0.90



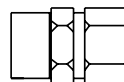
Teflon Ferrules

Part Number	Fit T/C Size	Material	Price
PC4382-18	1/8"	Teflon	1.80
PC4382-36	3/16"	Teflon	1.80
PC4382-14	1/4"	Teflon	1.80



Quick Detach Adapters

Part Number	"L" Dimension	Material	Price
TC6136-8	7/8"	Stn Stl	1.40
TC6136-12	1-1/4"	Plated Steel	2.40
TC6136-15	1-1/2"	Plated Steel	2.50
TC6136-20	2"	Plated Steel	2.60
TC6136-25	2-1/2"	Plated Steel	7.60
TC6136-32	3-1/4"	Plated Steel	8.30
TC6136-40	4"	Plated Steel	9.00



Compression Fittings

Supplied With Metal Ferrules Only				
Part Number	T/C Size	Thread Size	Material	Price
PC4381-1	3/16"	1/8 NPT	Brass	7.60
PC4381-2	1/8"	1/8 NPT	Brass	7.00
PC4381-6	3/16"	1/4 NPT	Brass	8.70
PC4381-8	1/8"	1/8 NPT	Stn Stl	11.50
PC4381-9	1/8"	1/4 NPT	Stn Stl	11.50
PC4381-10	3/16"	1/8 NPT	Stn Stl	11.50
PC4381-11	3/16"	1/4 NPT	Stn Stl	11.50
PC4381-12	1/4"	1/8 NPT	Stn Stl	11.50
PC4381-13	1/4"	1/4 NPT	Stn Stl	11.50

LEAD WIRE, CONNECTORS – ACCESSORIES

ACCESSORIES A436

LEAD WIRE 400° F

Gauge	Code No.	1-99 ft	100 & over
10	RW5325-10	\$4.50	\$250.00/C
12	RW5325-12	\$4.00	\$190.00
14	RW5325-14	\$3.50	\$150.00
16	RW5325-16	\$3.00	\$110.00
18	RW5325-18	\$2.75	\$100.00
20	RW5325-20	\$2.50	\$90.00
22	RW5325-22	\$2.25	\$75.00

PORCELAIN BEADS

Size	Code No.	Bare Insulated		Price/Lb.
		Wire	Wire	
0	PC4341-2	18		\$210.00
No.3	PC4341-3	20	22	\$160.00
No.4	PC4341-4	22-26	20	\$105.00
No.5	PC4341-5		18	\$70.00
No.6	PC4341-6		16	\$36.00

HIGH TEMPERATURE LEAD WIRE

Gauge	Code No.	1-99 ft	100 & over
12	RW5301-12	\$5.00	\$300.00/C
14	RW5301-14	\$4.50	\$250.00
16	RW5370-16	\$4.00	\$225.00
18	RW5370-18	\$3.50	\$175.00
20	RW5370-20	\$3.00	\$150.00
24	RW5302-242	\$2.50	\$120.00

CERAMIC WOOL INSULATION

CB 1715 (24" WIDE)		
1/8" thick		\$15.00 ft
1/4" thick		\$18.00 ft
1/2" thick		\$24.00 ft

SLEEVING (Fiberglass)

Size	Code No	For Lead	
		Wire	Price/Ft.
1/2" I.D.	PC4529-50		\$7.00
No.2	PC4313-2	10	\$6.00
No.4	PC4313-4	12	\$5.00
No.6	PC4313-6	14	\$4.00
No.8	PC4313-8	16	\$3.50
No.10	PC4313-10	18	\$3.00
No.12	PC4313-12	20	\$2.50
No.15	PC4313-15	24	\$2.00

ARMOR CABLE

I.D	Part No	Price
3/16	PC4324-2 St. Stl	\$6.00/ft.
9/32	PC4324-3 St. Stl	\$9.00/ft.
3/8	PC4324-5 St. Stl	\$12.00/ft.

BUS BAR

I.D	Part No	Price
Bus Bar	PC4439-1 Perforated	\$50.00/ft.
Bus Bar	PC4439-1 Solid	\$50.00/ft.
No. 51 . .	PC4437-1 Insulators	\$100.00/lb.
	(95 pcs. per lb.)	

WIRE CONNECTORS					
CATALOG NUMBER	CODE NO.	GA LEAD WIRE	STUD SIZE	PRICE EACH	LOTS of 100
34109	PC4301-12	16-22	10	\$2.00	\$30.00
35590	PC4301-3	14-16	10	2.00	41.00
34105	PC4301-4	16-22	6	2.00	28.00
322695	PC4301-11	14-16	10	2.00	47.00
323061	PC4301-9	10-12	8	3.00	85.00
323062	PC4301-1	10-13	10	3.00	80.00
321896	PC4301-8	16-22	10	3.00	75.00
322334	PC4301-2	14-16	8	3.00	85.00
322335	PC4301-10	14-16	10	3.00	85.00
323745	PC4301-6	10-12	8	3.00	115.00
323680	PC4301-5	10-13	10	3.00	100.00
323683	PC4301-28	10-12	1/4-20	4.00	140.00
3219895	PC4301-22	16-22	8	2.00	70.00

SECTION VII - STOCK LIST

MIGHTY WATT® CARTRIDGE HEATERS (MW) PIN TERMINATION

Note: Lead length must be specified when ordering cartridge heaters with pin termination.

Catalog Number	Description	Stock Status	User Price
MWEE01E0004	MW 1/4"D X 01.250L 150W 120V	ST	\$28.70
MWEE01J0011	MW 1/4"D X 01.500L 200W 120V	ST	\$28.70
MWEE02A0017	MW 1/4"D X 02.000L 40W 120V	ST	\$28.70
MWEE02A0019	MW 1/4"D X 02.000L 75W 120V	ST	\$28.70
MWEE02A0021	MW 1/4"D X 02.000L 125W 120V	ST	\$28.70
MWEE02A0022	MW 1/4"D X 02.000L 125W 240V	ST	\$28.70
MWEE02A0025	MW 1/4"D X 02.000L 150W 240V	ST	\$28.70
MWEE02A0026	MW 1/4"D X 02.000L 200W 120V	ST	\$28.70
MWEE02A0027	MW 1/4"D X 02.000L 200W 240V	ST	\$28.70
MWEE02A0029	MW 1/4"D X 02.000L 250W 120V	ST	\$30.20
MWEE02J0033	MW 1/4"D X 02.500L 250W 120V	ST	\$29.95
MWEE02J0034	MW 1/4"D X 02.500L 250W 240V	ST	\$29.95
MWEE02N0036	MW 1/4"D X 02.750L 300W 240V	ST	\$32.25
MWEE03A0038	MW 1/4"D X 03.000L 125W 120V	ST	\$32.25
MWEE03A0041	MW 1/4"D X 03.000L 200W 240V	ST	\$32.25
MWEE03A0044	MW 1/4"D X 03.000L 300W 120V	ST	\$32.25
MWEE03A0045	MW 1/4"D X 03.000L 300W 240V	ST	\$32.25
MWEE03A0433	MW 1/4"D X 03.000L 200W 120V	ST	\$32.25
MWEE03J1752	MW 1/4"D X 03.500L 300W 120V	ST	\$33.35
MWEE04A0046	MW 1/4"D X 04.000L 100W 120V	ST	\$36.75
MWEE04A0047	MW 1/4"D X 04.000L 200W 120V	ST	\$36.75
MWEE04A0048	MW 1/4"D X 04.000L 200W 240V	ST	\$36.75
MWEE05A0056	MW 1/4"D X 05.000L 400W 120V	ST	\$40.20
MWEE05A0057	MW 1/4"D X 05.000L 400W 240V	ST	\$40.20
MWEE06A0060	MW 1/4"D X 06.000L 300W 120V	ST	\$44.80
MWEG01A0001	MW 3/8"D X 01.000L 100W 120V	ST	\$28.70
MWEG01A0003	MW 3/8"D X 01.000L 150W 240V	ST	\$28.70
MWEG01E0006	MW 3/8"D X 01.250L 100W 120V	ST	\$28.70
MWEG01E0008	MW 3/8"D X 01.250L 200W 120V	ST	\$28.70
MWEG01G0010	MW 3/8"D X 01.375L 150W 120V	ST	\$28.70
MWEG01J0013	MW 3/8"D X 01.500L 30W 120V	ST	\$28.70
MWEG01J0014	MW 3/8"D X 01.500L 50W 120V	ST	\$28.70
MWEG01J0017	MW 3/8"D X 01.500L 85W 120V	ST	\$28.70
MWEG01J0019	MW 3/8"D X 01.500L 150W 120V	ST	\$28.70
MWEG01J0024	MW 3/8"D X 01.500L 250W 120V	ST	\$28.70
MWEG01N0031	MW 3/8"D X 01.750L 200W 240V	ST	\$26.50
MWEG02A0036	MW 3/8"D X 02.000L 50W 120V	ST	\$26.50
MWEG02A0044	MW 3/8"D X 02.000L 200W 120V	ST	\$26.50
MWEG02A0045	MW 3/8"D X 02.000L 200W 240V	ST	\$26.50
MWEG02A0046	MW 3/8"D X 02.000L 250W 120V	ST	\$26.50
MWEG02A0050	MW 3/8"D X 02.000L 300W 120V	ST	\$26.50
MWEG02A0052	MW 3/8"D X 02.000L 400W 120V	ST	\$26.50
MWEG02A0053	MW 3/8"D X 02.000L 400W 240V	ST	\$26.50
MWEG02G0069	MW 3/8"D X 02.375L 300W 120V	ST	\$27.60
MWEG02G0070	MW 3/8"D X 02.375L 300W 240V	ST	\$27.60
MWEG02J0072	MW 3/8"D X 02.500L 100W 120V	ST	\$27.60
MWEG02J0077	MW 3/8"D X 02.500L 500W 120V	ST	\$27.60
MWEG02J0078	MW 3/8"D X 02.500L 500W 240V	ST	\$27.60
MWEG03A0085	MW 3/8"D X 03.000L 100W 120V	ST	\$28.70
MWEG03A0087	MW 3/8"D X 03.000L 100W 240V	ST	\$28.70
MWEG03A0094	MW 3/8"D X 03.000L 250W 240V	ST	\$28.70
MWEG03A0098	MW 3/8"D X 03.000L 300W 120V	ST	\$28.70
MWEG03A0100	MW 3/8"D X 03.000L 300W 240V	ST	\$28.70
MWEG03A0102	MW 3/8"D X 03.000L 400W 120V	ST	\$28.70
MWEG03A0103	MW 3/8"D X 03.000L 400W 240V	ST	\$28.70
MWEG03A0106	MW 3/8"D X 03.000L 500W 120V	ST	\$28.70
MWEG03J0112	MW 3/8"D X 03.500L 300W 120V	ST	\$32.25
MWEG03J0113	MW 3/8"D X 03.500L 300W 240V	ST	\$32.25
MWEG03J0117	MW 3/8"D X 03.500L 350W 120V	ST	\$32.25
MWEG03J0118	MW 3/8"D X 03.500L 350W 240V	ST	\$32.25
MWEG03J0119	MW 3/8"D X 03.500L 400W 240V	ST	\$32.25
MWEG04A0126	MW 3/8"D X 04.000L 125W 120V	ST	\$33.35
MWEG04A0128	MW 3/8"D X 04.000L 150W 120V	ST	\$33.35

Catalog Number	Description	Stock Status	User Price
MWEG04A0131	MW 3/8"D X 04.000L 250W 120V	ST	\$33.35
MWEG04A0132	MW 3/8"D X 04.000L 250W 240V	ST	\$33.35
MWEG04A0141	MW 3/8"D X 04.000L 500W 240V	ST	\$33.35
MWEG04A0142	MW 3/8"D X 04.000L 600W 240V	ST	\$33.35
MWEG04J0144	MW 3/8"D X 04.500L 300W 120V	ST	\$35.65
MWEG04J0150	MW 3/8"D X 04.500L 500W 120V	ST	\$35.65
MWEG04J0151	MW 3/8"D X 04.500L 500W 240V	ST	\$35.65
MWEG05A0159	MW 3/8"D X 05.000L 200W 120V	ST	\$38.00
MWEG05A0162	MW 3/8"D X 05.000L 400W 120V	ST	\$38.00
MWEG05A0164	MW 3/8"D X 05.000L 500W 120V	ST	\$38.00
MWEG05A0166	MW 3/8"D X 05.000L 500W 240V	ST	\$38.00
MWEG05A0167	MW 3/8"D X 05.000L 750W 240V	ST	\$38.00
MWEG05A0168	MW 3/8"D X 05.000L 1000W 240V	ST	\$38.00
MWEG05J0169	MW 3/8"D X 05.500L 250W 240V	ST	\$40.20
MWEG05J0172	MW 3/8"D X 05.500L 600W 240V	ST	\$40.20
MWEG05J2117	MW 3/8"D X 05.500L 500W 240V	ST	\$40.20
MWEG06A0182	MW 3/8"D X 06.000L 500W 240V	ST	\$41.40
MWEG06A0186	MW 3/8"D X 06.000L 600W 120V	ST	\$41.40
MWEG06A0187	MW 3/8"D X 06.000L 600W 240V	ST	\$41.40
MWEG06N0194	MW 3/8"D X 06.750L 300W 240V	ST	\$44.80
MWEG07A0197	MW 3/8"D X 07.000L 400W 120V	ST	\$44.80
MWEG07A0199	MW 3/8"D X 07.000L 500W 240V	ST	\$44.80
MWEG07A0200	MW 3/8"D X 07.000L 600W 240V	ST	\$44.80
MWEG07J0204	MW 3/8"D X 07.500L 300W 240V	ST	\$47.10
MWEG07J0207	MW 3/8"D X 07.500L 600W 240V	ST	\$47.10
MWEG07J0208	MW 3/8"D X 07.500L 1000W 240V	ST	\$47.10
MWEG08A0210	MW 3/8"D X 08.000L 300W 120V	ST	\$49.45
MWEG08A0214	MW 3/8"D X 08.000L 500W 240V	ST	\$49.45
MWEG08A0220	MW 3/8"D X 08.000L 1000W 240V	ST	\$49.45
MWEG09A0221	MW 3/8"D X 09.000L 500W 240V	ST	\$51.65
MWEG09J0224	MW 3/8"D X 09.500L 600W 240V	ST	\$52.85
MWEG09J0225	MW 3/8"D X 09.500L 1000W 240V	ST	\$52.85
MWEG10A0226	MW 3/8"D X 10.000L 600W 120V	ST	\$53.95
MWEG10A0229	MW 3/8"D X 10.000L 1000W 240V	ST	\$53.95
MWEG12A0230	MW 3/8"D X 12.000L 500W 240V	ST	\$59.70
MWEG12A0231	MW 3/8"D X 12.000L 600W 240V	ST	\$59.70
MWEG12A0232	MW 3/8"D X 12.000L 1000W 240V	ST	\$59.70
MWEJ01E0003	MW 1/2"D X 01.250L 200W 240V	ST	\$29.95
MWEJ01J0004	MW 1/2"D X 01.500L 150W 120V	ST	\$29.95
MWEJ02A0015	MW 1/2"D X 02.000L 200W 240V	ST	\$28.70
MWEJ02A0016	MW 1/2"D X 02.000L 250W 120V	ST	\$28.70
MWEJ02A0018	MW 1/2"D X 02.000L 300W 120V	ST	\$28.70
MWEJ02A0019	MW 1/2"D X 02.000L 300W 240V	ST	\$28.70
MWEJ02A0020	MW 1/2"D X 02.000L 400W 120V	ST	\$28.70
MWEJ02A0021	MW 1/2"D X 02.000L 400W 240V	ST	\$28.70
MWEJ02G0030	MW 1/2"D X 02.375L 400W 120V	ST	\$29.95
MWEJ02J0034	MW 1/2"D X 02.500L 100W 120V	ST	\$29.95
MWEJ02J0038	MW 1/2"D X 02.500L 300W 120V	ST	\$29.95
MWEJ02J0039	MW 1/2"D X 02.500L 300W 240V	ST	\$29.95
MWEJ03A0045	MW 1/2"D X 03.000L 150W 120V	ST	\$32.25
MWEJ03A0047	MW 1/2"D X 03.000L 200W 120V	ST	\$32.25
MWEJ03A0051	MW 1/2"D X 03.000L 300W 120V	ST	\$32.25
MWEJ03A0052	MW 1/2"D X 03.000L 300W 240V	ST	\$32.25
MWEJ03A0053	MW 1/2"D X 03.000L 400W 120V	ST	\$32.25
MWEJ03A0054	MW 1/2"D X 03.000L 400W 240V	ST	\$32.25
MWEJ03A0055	MW 1/2"D X 03.000L 500W 120V	ST	\$32.25
MWEJ03A0056	MW 1/2"D X 03.000L 500W 240V	ST	\$32.25
MWEJ03A0058	MW 1/2"D X 03.000L 600W 240V	ST	\$32.25
MWEJ03A0060	MW 1/2"D X 03.000L 750W 240V	ST	\$32.25
MWEJ03J0061	MW 1/2"D X 03.500L 250W 120V	ST	\$34.45
MWEJ03J0066	MW 1/2"D X 03.500L 500W 120V	ST	\$34.45
MWEJ03J0067	MW 1/2"D X 03.500L 500W 240V	ST	\$34.45
MWEJ03N0070	MW 1/2"D X 03.750L 500W 240V	ST	\$35.65

Catalog Number	Description	Stock Status	User Price
MWEJ04A0072	MW 1/2"D X 04.000L 150W 120V	ST	\$35.65
MWEJ04A0074	MW 1/2"D X 04.000L 250W 120V	st	\$35.65
MWEJ04A0075	MW 1/2"D X 04.000L 250W 240V	ST	\$35.65
MWEJ04A0078	MW 1/2"D X 04.000L 400W 120V	ST	\$35.65
MWEJ04A0082	MW 1/2"D X 04.000L 500W 120V	ST	\$35.65
MWEJ04A0083	MW 1/2"D X 04.000L 500W 240V	ST	\$35.65
MWEJ04A0084	MW 1/2"D X 04.000L 750W 240V	ST	\$35.65
MWEJ04J0088	MW 1/2"D X 04.500L 500W 240V	ST	\$38.00
MWEJ04J0089	MW 1/2"D X 04.500L 750W 240V	ST	\$38.00
MWEJ04N0092	MW 1/2"D X 04.750L 500W 240V	ST	\$40.20
MWEJ05A0094	MW 1/2"D X 05.000L 200W 120V	ST	\$40.20
MWEJ05A0098	MW 1/2"D X 05.000L 350W 240V	ST	\$40.20
MWEJ05A0099	MW 1/2"D X 05.000L 400W 120V	ST	\$40.20
MWEJ05A0100	MW 1/2"D X 05.000L 400W 240V	ST	\$40.20
MWEJ05A0101	MW 1/2"D X 05.000L 500W 240V	ST	\$40.20
MWEJ05A0103	MW 1/2"D X 05.000L 750W 240V	ST	\$40.20
MWEJ05A0105	MW 1/2"D X 05.000L 1000W 240V	ST	\$40.20
MWEJ05J0109	MW 1/2"D X 05.500L 500W 240V	ST	\$42.50
MWEJ06A0118	MW 1/2"D X 06.000L 200W 120V	ST	\$44.80
MWEJ06A0119	MW 1/2"D X 06.000L 300W 120V	ST	\$44.80
MWEJ06A0120	MW 1/2"D X 06.000L 300W 240V	ST	\$44.80
MWEJ06A0121	MW 1/2"D X 06.000L 350W 240V	ST	\$44.80
MWEJ06A0122	MW 1/2"D X 06.000L 500W 120V	ST	\$44.80
MWEJ06A0126	MW 1/2"D X 06.000L 750W 240V	ST	\$44.80
MWEJ06A0128	MW 1/2"D X 06.000L 1000W 120V	ST	\$44.80
MWEJ06A0131	MW 1/2"D X 06.000L 1200W 240V	ST	\$44.80
MWEJ06A1872	MW 1/2"D X 06.000L 850W 120V	ST	\$44.80
MWEJ06A1873	MW 1/2"D X 06.000L 850W 240V	ST	\$44.80
MWEJ06J0133	MW 1/2"D X 06.500L 1000W 240V	ST	\$45.90
MWEJ07A0137	MW 1/2"D X 07.000L 500W 120V	ST	\$48.20
MWEJ07A0138	MW 1/2"D X 07.000L 500W 240V	ST	\$48.20
MWEJ07A0142	MW 1/2"D X 07.000L 1000W 240V	ST	\$48.20
MWEJ07J0143	MW 1/2"D X 07.500L 500W 240V	ST	\$50.55
MWEJ08A0148	MW 1/2"D X 08.000L 300W 120V	ST	\$52.85
MWEJ08A0150	MW 1/2"D X 08.000L 400W 120V	ST	\$52.85
MWEJ08A0151	MW 1/2"D X 08.000L 400W 240V	ST	\$52.85
MWEJ08A0153	MW 1/2"D X 08.000L 500W 240V	ST	\$52.85
MWEJ08A0155	MW 1/2"D X 08.000L 800W 240V	ST	\$52.85
MWEJ08A0156	MW 1/2"D X 08.000L 1000W 240V	ST	\$52.85
MWEJ08A0159	MW 1/2"D X 08.000L 1500W 240V	ST	\$52.85
MWEJ08A0161	MW 1/2"D X 08.000L 2000W 240V	ST	\$52.85
MWEJ08J0235	MW 1/2"D X 08.500L 500W 240V	ST	\$53.95
MWEJ09A0168	MW 1/2"D X 09.000L 500W 240V	ST	\$56.25
MWEJ09A0170	MW 1/2"D X 09.000L 1000W 240V	ST	\$56.25
MWEJ10A0174	MW 1/2"D X 10.000L 500W 120V	ST	\$58.60
MWEJ10A0175	MW 1/2"D X 10.000L 500W 240V	ST	\$58.60
MWEJ10A0178	MW 1/2"D X 10.000L 1000W 240V	ST	\$58.60
MWEJ10A0181	MW 1/2"D X 10.000L 1500W 240V	ST	\$58.60

Catalog Number	Description	Stock Status	User Price
MWEJ10A0183	MW 1/2"D X 10.000L 2000W 240V	ST	\$58.60
MWEJ10A1879	MW 1/2"D X 10.000L 1000W 120V	ST	\$58.60
MWEJ11A0188	MW 1/2"D X 11.000L 1500W 240V	ST	\$60.90
MWEJ12A0190	MW 1/2"D X 12.000L 500W 240V	ST	\$64.35
MWEJ12A0191	MW 1/2"D X 12.000L 1000W 240V	ST	\$64.35
MWEJ12A0195	MW 1/2"D X 12.000L 1500W 240V	ST	\$64.35
MWEJ14A0200	MW 1/2"D X 14.000L 2300W 240V	ST	\$72.35
MWEJ18A0205	MW 1/2"D X 18.000L 1700W 240V	ST	\$88.40
MWEL02A0003	MW 5/8"D X 02.000L 200W 120V	ST	\$34.45
MWEL02A0004	MW 5/8"D X 02.000L 200W 240V	ST	\$34.45
MWEL03A0015	MW 5/8"D X 03.000L 250W 120V	ST	\$34.45
MWEL03A0017	MW 5/8"D X 03.000L 500W 120V	ST	\$34.45
MWEL03J0021	MW 5/8"D X 03.500L 525W 240V	ST	\$36.75
MWEL04A0029	MW 5/8"D X 04.000L 250W 240V	ST	\$38.00
MWEL04A0033	MW 5/8"D X 04.000L 600W 240V	ST	\$38.00
MWEL04A0034	MW 5/8"D X 04.000L 750W 240V	ST	\$38.00
MWEL04A0035	MW 5/8"D X 04.000L 1000W 240V	ST	\$38.00
MWEL04A1204	MW 5/8"D X 04.000L 500W 120V	ST	\$38.00
MWEL05A0042	MW 5/8"D X 05.000L 500W 240V	ST	\$42.50
MWEL05A0044	MW 5/8"D X 05.000L 1000W 240V	ST	\$42.50
MWEL05G0045	MW 5/8"D X 05.375L 800W 120V	ST	\$45.90
MWEL06A0052	MW 5/8"D X 06.000L 500W 240V	ST	\$48.20
MWEL06A0055	MW 5/8"D X 06.000L 1000W 240V	ST	\$48.20
MWEL07J0973	MW 5/8"D X 07.500L 750W 240V	ST	\$53.95
MWEL08A0071	MW 5/8"D X 08.000L 500W 240V	ST	\$56.25
MWEL08A0075	MW 5/8"D X 08.000L 1200W 240V	ST	\$56.25
MWEL10A0081	MW 5/8"D X 10.000L 500W 240V	ST	\$63.15
MWEL10A0086	MW 5/8"D X 10.000L 1000W 240V	ST	\$63.15
MWEL10A0088	MW 5/8"D X 10.000L 2000W 240V	ST	\$63.15
MWEL12A0094	MW 5/8"D X 12.000L 1500W 240V	ST	\$70.05
MWEL12A0096	MW 5/8"D X 12.000L 2000W 240V	ST	\$70.05
MWEL12A0929	MW 5/8"D X 12.000L 1000W 240V	ST	\$70.05
MWEL16A0107	MW 5/8"D X 16.000L 1050W 240V	ST	\$86.00
MWEL18A0111	MW 5/8"D X 18.000L 1500W 240V	ST	\$94.10
MWEN03A0001	MW 3/4"D X 03.000L 500W 240V	ST	\$40.20
MWEN04A0007	MW 3/4"D X 04.000L 1000W 240V	ST	\$45.90
MWEN05N0014	MW 3/4"D X 05.750L 1000W 240V	ST	\$57.35
MWEN06A0017	MW 3/4"D X 06.000L 350W 240V	ST	\$57.35
MWEN06A0018	MW 3/4"D X 06.000L 500W 240V	ST	\$57.35
MWEN06A0021	MW 3/4"D X 06.000L 1100W 240V	ST	\$57.35
MWEN06A0022	MW 3/4"D X 06.000L 1500W 240V	ST	\$57.35
MWEN09N0162	MW 3/4"D X 09.750L 1000W 240V	ST	\$80.30
MWEN10A0045	MW 3/4"D X 10.000L 800W 240V	ST	\$80.30
MWEN10A0049	MW 3/4"D X 10.000L 2000W 240V	ST	\$80.30
MWEN11N0052	MW 3/4"D X 11.750L 2000W 240V	ST	\$91.80
MWEN12A0059	MW 3/4"D X 12.000L 2000W 240V	ST	\$91.80
MWEN13A0060	MW 3/4"D X 13.000L 1000W 240V	ST	\$98.70

Mica Band Heaters

Catalog Number	Description	Stock Status	User Price
FBE01A01A-00003	MB 01.00ID X 01.00W 100W 240V	ST	\$31.05
FBE01A01A-00006	MB 01.00ID X 01.00W 150W 120V	ST	\$31.05
FBE01A01A-00007	MB 01.00ID X 01.00W 150W 240V	ST	\$31.05
FBE01A01J-00009	MB 01.00ID X 01.50W 150W 120V	ST	\$31.05
FBE01A01J-00011	MB 01.00ID X 01/50W 200W 240V	ST	\$42.75
FBE01A02A-00015	MB 01.00ID X 02.00W 300W 240V	ST	\$39.10
FBE01A02J-00017	MB 01.00ID X 02.50W 250W 240V	ST	\$34.45
FBE01A03A-00020	MB 01.00ID X 03.00W 300W 240V	ST	\$35.65
FBE01A03J-00021	MB 01.00ID X 03.50W 300W 240V	ST	\$47.10
FBE01E01A-00023	MB 01.25ID X 01.00W 175W 240V	ST	\$31.05
FBE01G00M-00028	MB 01.38ID X 0.688W 100W 120V	ST	\$31.05
FBE01G00M-00029	MB 01.38ID X 0.688W 100W 240V	ST	\$31.05
FBE01J01A-00032	MB 01.50ID X 01.00W 150W 120V	ST	\$31.05
FBE01J01A-00034	MB 01.50ID X 01.00W 200W 240V	ST	\$31.05
FBE01J01J-00048	MB 01.50ID X 01.50W 275W 240V	ST	\$32.70
FBE01J02A-00054	MB 01.50ID X 02.00W 300W 240V	ST	\$31.05
FBE01J02A-00062	MB 01.50ID X 02.00W 500W 240V	ST	\$39.10
FBE01J02J-00066	MB 01.50ID X 02.50W 400W 240V	ST	\$42.50
FBE01J03A-00072	MB 01.50ID X 03.00W 350W 240V	ST	\$35.65
FBE01J03A-00074	MB 01.50ID X 03.00W 400W 240V	ST	\$35.65
FBE01J03A-00079	MB 01.50ID X 03.00W 800W 240V	ST	\$43.70
FBE01J04A-00082	MB 01.50ID X 04.00W 550W 120V	ST	\$47.10
FBE01N01A-00092	MB 01.75ID X 01.00W 200W 120V	ST	\$31.05
FBE01N01J-00095	MB 01.75ID X 01.50W 300W 240V	ST	\$39.10
FBE02A01A-00100	MB 02.00ID X 01.00W 200W 240V	ST	\$39.10
FBE02A01J-00104	MB 02.00ID X 01.50W 400W 240V	ST	\$39.10
FBE02A03A-00110	MB 02.00ID X 03.00W 500W 120V	ST	\$41.40
FBE02J01J-00128	MB 02.50ID X 01.50W 300W 120V	ST	\$32.25
FBE02J04A-00132	MB 02.30ID X 04.00W 300W 120V	ST	\$61.40
FBE03A01J-00138	MB 03.00ID X 01.50W 400W 120V	ST	\$34.45
FBE03A01J-00141	MB 03.00ID X 01.50W 500W 240V	ST	\$34.25
FBE03J01J-00150	MB 03.50ID X 01.50W 575W 240V	ST	\$35.65
FBE03L01J-00153	MB 03.63ID X 01.50W 625W 240V	ST	\$38.00
FBE04A01J-00156	MB 04.00ID X 01.50W 450W 240V	ST	\$38.00
FBE04A02A-00163	MB 04.00ID X 02.00W 800W 240V	ST	\$41.40
FBE04A02A-00164	MB 04.00ID X 02.00W 850W 120V	ST	\$48.20
FBE05A01J000180	MB 05.00ID X 01.50W 1000W 240V	ST	\$43.60
HBE09A01J-00209	HB 09.00ID X 01.50W 1500W 480V	ST	\$62.05

Mighty Watt Cartridge Heaters (MX)

Standard with lead length as listed

Catalog Number	Description	Lead Ln.(in)	User Price
MXEC01J0002	MW 1/8"D X 01.500L 60W 120V	12	\$35.65
MXEG02J0075	MW 3/8"D X 02.500L 250W 240V	24	\$35.65
MXEG03A0086	MW 3/8"D X 03.000L 100W 120V	24	\$36.75
MXEG03A0099	MW 3/8"D X 03.000L 300W 120V	12	\$33.35
MXEJ06A0124	MW 1/2"D X 06.000L 500W 240V	12	\$48.20
MXEJ08A0157	MW 1/2"D X 08.000L 1000W 240V	12	\$56.25
MXEJ14A0199	MW 1/2"D X 14.000L 1700W 240V	48	\$92.90
MXEL02G0006	MW 5/8"D X 02.375L 280W 120V	24	\$41.40
MXEL12A0093	MW 5/8"D X 12.000L 1000W 240V	48	\$88.40

Mighty Miser Ceramic Band Heaters

CBE12A06A-00074	CB 12.00ID X 06.00W 4000W 230/460V	ST	\$362.00
CBE12A06A-00075	CB 12.00ID X 06.00W 5000W DUAL	ST	\$362.00

Mighty Tuff Band Heaters

MT-01010-0834	1" ID X 1" WIDTH 150W 120V	ST	\$71.15
MT-01015-0421	1" ID X 1.5" WIDTH 250W 240V	ST	\$71.15
MT-01015-0838	1" ID X 1.5" WIDTH 300W 240V	ST	\$71.15
MT-01210-0840	1.25" ID X 1" WIDTH 250W 240V	ST	\$71.15
MT-01510-0434	1.5" ID X 1" WIDTH 300W 240V	ST	\$71.15
MT-01515-0419	1.5" ID X 1.5" WIDTH 300W 240V	ST	\$71.15
MT-01515-0846	1.5" ID X 1.5" WIDTH 300W 120V	ST	\$71.15
MT-01520-0329	1.5" ID X 2" WIDTH 450W 240V	ST	\$74.55
MT-01530-0425	1.5" ID X 3" WIDTH 500W 240V	ST	\$82.50
MT-01713-0174	1.75" ID X 1.38" WIDTH 450W 240V	ST	\$71.15
MT-01717-0181	1.75" ID X 1.75" WIDTH 750W 240V	ST	\$74.55
MT-02010-0422	2" ID X 1" WIDTH 350W 240V	ST	\$71.15
MT-02020-0175	2" ID X 2" WIDTH 750W 240V	ST	\$74.55
MT-02225-0850	2.25" ID X 2.5" WIDTH 1000W 240V	ST	\$76.90
MT-02510-0851	2.50" ID X 1" WIDTH 400W 240V	ST	\$71.35
MT-03015-0424	3.00" ID X 1.5" WIDTH 500W 240V	ST	\$71.35
MT-04525-0032	4.5 ID X 2.500 WIDTH 1250W 240V	ST	\$80.30
MT-05515-0433	5.5" ID X 1.5" WIDTH 650W 240V	ST	\$86.00

Black Body Ceramic Infrared Heaters

A-1-1000	RADIANT HEATER 1000W 220/230V	ST	\$48.55
A-1-1000-4	BLK BODY CERAMIC HTR. 1KW 480V	ST	\$49.65
A-1-1000-Y	1000W 220/230V X=9 5/8"	ST	\$55.15
A-1-400	RADIANT HEATER, 400W, 220/230V	ST	\$48.55
A-1-650	RADIANT HEATER 650W 220/230 V	ST N1	\$48.55
A-1-650-1	RADIANT HEATER 650W 120V	ST	\$49.65
A-1-650-4	RADIANT HEATER 650W 480V	ST	\$49.65
A-1-650-Y	CHAMELEON CERAMIC INFRARED HTR	ST	\$57.35
A-1-650-Y4	650W 480V CHAMELEON CERAMICINF	ST N1	\$66.15
A-1-H	HOUSING FOR ONE HEATER (255MM)	ST	\$92.65
A-1-R	RELECTORS 9-7/8" LONG FOR A-1	ST	\$18.75
A-2-200	RADIANT HEATER 200W 220/230V	ST N1	\$33.10
A-2-325	RADIANT HEATER 325W 220/230V	ST N1	\$33.10
A-2-325-Y	YELLOW RAD HTR, 325W, 220/230V	ST	\$37.50
A-2-500	RADIANT HEATER 500W, 220/230V	ST	\$33.10
A-2-500-Y	CHAMELEON, 500W 220/230V	ST	\$37.50
A-2-H	HOUSING FOR TWO HEATERS(505MM)	ST	\$153.00
A-2-R	REFLECTORS 4-15/16" L. FOR A-2	ST N1	\$15.45
A-3-H	HOUSING FOR THREE HTRS (755MM)	ST	\$214.00
A-4-H	HOUSING FOR FOUR HTRS (1005MM)	ST	\$278.00
A-5-H	HOUSING FOR FIVE HEATERS	ST	\$301.00
AL-3-200-1	FLAT RAD HEATER 200W 120V	ST N1	\$30.90
D-1-500	RADIANT HEATER 500W 220/230V	ST	\$60.65
D-1-500-1	5" DIA. ROUND HEATER 500W 120V	ST	\$60.65
D-1-R	REFLECTORS FOR ROUND RADIANT	ST	\$17.65
EL-1-650	RADIANT 650 WATT 220/230	ST N1	\$75.00
EL-3-650	FLAT RADIANT HTR 650W 220/230V	ST N1	\$70.60

Note 1 - Contact Factory - 56 day lead-time / Minimum Order Qty may apply on out-of-stock items.

Note 2 - AL-1-650-4 removed from Stock List but still available on extended lead time, min order qty basis.

Silicone Rubber (Laminate) Drum Heaters

SR2011	SR DRUM 55 GAL 1000W 120V	ST	\$203.00
SR2011-TS	SR DRUM 55 GAL 1000W 120V	ST	\$272.00
SR2012-TS	SR DRUM 55 GAL 1000W 240V	ST	\$272.00
SR2013-TS	SR DRUM HTR 750W 120V 30 GAL	ST	\$265.00
SR2014-TS	SR DRUM HTR 30 GAL 750W 240V	ST	\$265.00
SR2015-TS	SR DRUM 15 GAL. 500W 120V	ST	\$261.00
SR2016-TS	SR DRUM 5 GAL 300W 120V	ST	\$249.00

SECTION VIII - PLASTIC INDUSTRY CROSS REFERENCE

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Most items are specially priced - no other items can be adapted to this program. Items receive standard applicable discounts. Consult OGDEN, current Stock List, or local OGDEN Distributor for Stock Items and delivery.

MOLD TEMPERATURE CONTROL REPLACEMENT IMMERSION HEATERS

AEC				
OEM #	OGDEN #	“B”	KILOWATTS	VOLTS @ 3 ϕ
	K2A-3-0028	15-3/4”	4.5	208
	K2A-3-0027	15-3/4”	4.5	240
103619	K2A-3-0026	15-3/4”	4.5	480
	K2A-3-0020	15-3/4”	4.5	575
103620	K2A-3-0031	28”	9	240
103621	K2A-3-0002	28”	9	480
	K2A-3-0078	28”	9	575
	K3A-6-0078	15-1/2”	9	208
103767	K3A-6-0071	15-1/2”	9	240
	K3A-6-0107	15-1/2”	9	380
103766	K3A-6-0069	15-1/2”	9	480
103768	K3A-6-0075	15-1/2”	9	575
	K3A-6-0085	15-1/2”	6	208
	K3A-6-0106	15-1/2”	6	380
103819	K3A-6-0089	15-1/2”	12	480
	K3A-6-0077	15-1/2”	12	575
	K3S-6-0136	22”	6	208
104140	K3S-6-0072	22”	6	240
	K3S-6-0105	22”	6	380
104139	K3S-6-0073	22”	6	480
	K3A-6-0010	22”	6	575
	K3A-6-0094	32”	12	240
	K3A-6-0093	32”	12	480
	K3S-6-0108	54”	18	240
507990	K3S-6-0170	54”	18	480
507989	K3S-6-0173	54”	24	240
507991	K3S-6-0171	54”	24	480
503482	KP-6-0278	14-1/2”	9	240
503483	KP-6-0277	14-1/2”	9	480
	KP-6-0282	14-1/2”	12	208
503481	KP-6-0280	14-1/2”	12	240
503486	KP-6-0279	14-1/2”	12	480
536631	KP-6-0340	17-1/4”	9	208
534093	KP-6-0293	17-1/4”	9	230
536632	KP-6-0316	17-1/4”	9	380
534092	KP-6-0275	17-1/4”	9	460
535354	KP-6-0294	17-1/4”	9	575

MOLD TEMPERATURE CONTROL REPLACEMENT IMMERSION HEATERS (continued)

CONAIR				
OEM #	OGDEN #	"B"	KILOWATTS	VOLTS @ 3 ϕ
209-333-01	K2.5A-3-0001-M0	12-3/4"	4.5	240
209-333-02	K2.5A-3-0002-M0	12-3/4"	4.5	480
209-333-03	K2.5A-3-0041-M0	12-3/4"	4.5	575
209-333-04	K2.5A-3-0003-M0	17-3/4"	9	240
209-333-05	K2.5A-3-0004-M0	17-3/4"	9	480
209-333-06	K2.5A-3-0005-M0	17-3/4"	9	575
209-333-07	K2.5A-3-0006-M0	17-3/4"	12	240
209-333-08	K2.5A-3-0007-M0	17-3/4"	12	480
209-333-09	K2.5A-3-0042-M0	17-3/4"	12	575
209-333-10	K5A-6-0068-M1	17-3/4"	18	240
209-333-11	K5A-6-0069-M1	17-3/4"	18	480
209-333-12	K5A-6-0070-M1	17-3/4"	18	575
209-333-13	K5A-9-0071-M1	17-3/4"	27	240
209-333-14	K5A-9-0072-M1	17-3/4"	27	480
209-333-15	K5A-9-0073-M0	17-3/4"	27	575
209-333-16	K2C-3-0011-M0	14-1/2"	4.5	240
209-333-17	K2C-3-0012-M0	14-1/2"	4.5	480
209-333-18	K2C-3-0013-M0	14-1/2"	4.5	575
209-333-19	K2C-3-0006-M0	23"	9	240
209-333-20	K2C-3-0007-M0	23"	9	480
209-333-21	K2C-3-0014-M0	23"	9	575
209-333-22	K2C-3-0015-M0	23"	12	240
209-333-23	K2C-3-0008-M0	23"	12	480
209-333-24	K2C-3-0016-M0	23"	12	575
209-333-25	K5C-6-0066-M1	23"	18	240
209-333-26	K5C-6-0067-M1	23"	18	480
209-333-27	K5C-6-0007-M1	23"	18	575
209-333-28	K5C-9-0074-M1	23"	27	240
209-333-29	K5C-9-0075-M1	23"	27	480
209-333-30	K5C-9-0076-M1	23"	27	575
209-449-01	KP-6-0047-M1	16-1/2"	12	230
209-449-02	KP-6-0046-M1	16-1/2"	12	460
209-480-01	KP-6-0064-M1	16-1/2"	12	230
209-480-02	KP-6-0065-M1	16-1/2"	12	460
209-480-03	KP-6-0067-M1	16-1/2"	12	575
209-480-05	KP-6-0090-M1	16-1/2"	9	230
209-480-06	KP-6-0078-M1	16-1/2"	9	460
209-483-02	KFX-1-0107	8-5/16"	3	230 1 ϕ
209-483-04	KFX-1-0109	8-5/16"	3	460 1 ϕ
209-537-01	KP-3-0300-M0	13"	4	240
209-537-02	KP-3-0301-M1	13"	4	480
209-537-03	KP-3-0343-M0	13"	4	208
209-537-04	KP-3-0344-M0	13"	4	600
209-545-01	KP-6-0201-M0	14"	9	230
209-545-02	KP-6-0197-M0	14"	9	460
209-546-00	KP-6-0262	14-7/16"	9	230/460
209-546-01	KP-6-0263	10-1/2"	6	230/460

MOLD TEMPERATURE CONTROL REPLACEMENT IMMERSION HEATERS (continued)

STERLCO				
OEM #	OGDEN #	"B"	KILOWATTS	VOLTS @ 3 ϕ
A722-00043-1	K2S-3-0058	29"	6	240
A722-00043-2	K2S-3-0042	29"	6	480
A722-00043-3	K2C-3-0032	29"	9	480
A722-00043-4	K2A-3-0059	29"	4.5	480
A722-00043-6	K2S-3-0060	29"	9	480
A722-00043-8	K2C-3-0061	45"	9	480
A722-00044-1	K2C-3-0009	29"	9	240
A722-00044-2	K2C-3-0010	29"	9	480
A722-00044-3	K2C-3-0057	29"	12	240
A722-00044-4	K2C-3-0052	29"	12	480
A722-00044-7	K2C-3-0054	16"	4.5	240
A722-00044-8	K2C-3-0055	16"	4.5	480
A722-00044-15	K2C-3-0034-M1	24"	9	480
A722-00051-1	KR-3-0083-M1	32-9/16"	6	480
A722-00051-2	KR-3-0079-M1	23-1/8"	12	480
A722-00051-4	KR-3-0080-M1	25	6	240
A722-00051-5	KR-3-0084-M1	25	9	240
A722-00051-6	KR-3-0081-M1	23-1/8"	12	240
A722-00051-8	KR-3-0061-M1	22-3/8"	9	240
A722-00051-9	KR-3-0063-M1	22-3/8"	9	480
A722-00051-9	KR-3-0048-M1	22-3/8" (STN.STL.)	9	480
A722-00051-9A	KR-3-0030-M1	24-1/2"	9	480
A722-00051-10	KR-3-0082-M1	11-3/8"	4.5	240
A722-00051-11	KR-3-0086-M1	11-3/8"	4.5	480
A722-00051-11	KR-3-0033-M1	11-1/4" (STN.STL.)	4.5	480
A722-00058-1	K8S-18-0107	56"	60	240/480
A722-00058-2	K8S-18-0108	53-3/4"	50	240/480
A722-00058-5	K8S-18-0109	56"	72	240/480
A722-00086-1	K6C-12-0128	35"	72	240/480
A722-00086-9	K6C-12-0117	22-1/2"	24	240/480
A722-00086-11	K6S-12-0129	28-1/2"	18	240/480
A722-00086-14	K6S-12-0130	33-1/2"	36	240/480
A722-00086-15	K6S-12-0131	47-1/2"	36	240/480
A722-00086-18	K6S-12-0132	33"	24	240/480
A722-00091-1	K5S-6-0226	56"	24	240/480
A722-00091-5	K5S-6-0227	34"	12	240/480
A722-00091-6	K5S-6-0228	28-1/2"	9	240/480
A722-00091-8	K5S-6-0229	34"	12	240/480
A722-00093-5	K6S-15-0133	34"	36	480
A722-00093-6	K6S-15-0134	33"	24	480
A722-00093-7	K6S-15-0099	34"	36	240
A722-00093-8	K6S-15-0219	56"	50	480
A722-00093-22	K6C-15-0116	32"	75	480
A722-00094-1	K5C-6-0223	18"	12	240/480
A722-00094-2	K5C-6-0224	34"	18	240/480
A722-00094-3	K5C-6-0225	33"	24	240/480
A722-00108-1	K3C-6-0263	16"	9	480
A722-00108-2	K3C-6-0262	16"	9	240
A722-00108-3	K3C-6-0273	16"	12	240
A722-00108-4	K3C-6-0274	16"	12	480
A722-00126-01	KP-6-0439	16"	9	460
A722-00126-02	KP-600501	16"	9	240

DEHUMIDIFIER / DRYER REPLACEMENT HEATERS

AEC / WHITLOCK				
OEM #	OGDEN #	"B"	WATTS	VOLTS
518	E3Z-0355	N/A	1500	145
519	E3Z-0322	N/A	1500	290
520	E3Z-0536	N/A	2000	145
521	E3Z-0320	N/A	2000	290
671	E3Z-0330	N/A	1200	260
672	E3Z-0532	N/A	1200	145
673	E3Z-0323	N/A	1600	290
674	E3Z-0627	N/A	1600	145
1396	E3Z-0665	N/A	2000	145
1397	E3Z-0434	N/A	2000	260
1398	F6Z-0092	N/A	3400	130
1399	F6Z-0743	N/A	3400	260
10501	E5Z-0713	N/A	1500	240
10502	E5Z-0326	N/A	1500	480
10503	E5Z-0324	N/A	1500	575
11307	E5Z-0327	N/A	2000	240
11308	E5Z-0329	N/A	2000	480
11309	E5Z-0328	N/A	2000	575
17976	E5Z-0501	N/A	2000	208
18491	E5Z-0366	N/A	1500	208
51679	E5Z-0478	N/A	2000	480
53127	E5Z-0727	N/A	2500	240
53128	E5Z-0770	N/A	2500	480
53129	E5Z-0771	N/A	2500	575
12918	KP-3-0180	8-1/2"	2000	240 3 ϕ
13804	KP-3-0032	12-1/2"	3000	480 3 ϕ
13805	KP-3-0033	12-1/2"	3000	240 3 ϕ
13806	KP-3-0038	12-1/2"	3000	575 3 ϕ
15090	KP-3-0048	18"	4000	240 3 ϕ
15091	KP-3-0034	18"	4000	480 3 ϕ
15092	KP-3-0088	18"	4000	575 3 ϕ
15303	KP-3-0036	12-1/2"	2500	240 3 ϕ
15304	KP-3-0035	12-1/2"	2500	480 3 ϕ
15305	KP-3-0045	12-1/2"	2500	575 3 ϕ
15854	KP-3-0037	18"	3500	240 3 ϕ
15855	KP-3-0039	18"	3500	480 3 ϕ
15856	KP-3-0087	18"	3500	575 3 ϕ
15858	KP-3-0231	18"	3500	240 3 ϕ
15859	KP-3-0042	18"	5000	480 3 ϕ
15860	KP-3-0168	18"	5000	575 3 ϕ
17927	KP-3-0040	12-1/2"	2000	240 3 ϕ
17928	KP-3-0049	12-1/2"	2000	480 3 ϕ
17929	KP-3-0185	12-1/2"	2000	575 3 ϕ
18345	KP-3-0041	12-1/2"	1000	480 3 ϕ
18347	KP-3-0076	12-1/2"	1500	240 3 ϕ
18348	KP-3-0050	12-1/2"	1500	480 3 ϕ
50651	KP-1-0061	7"	750	120
50652	KP-1-0112	7"	1000	120
51653	KP-3-00790	18"	6000	460 3 ϕ

DEHUMIDIFIER / DRYER REPLACEMENT HEATERS (continued)

CONAIR/FRANKLIN				
OEM #	OGDEN #	PREVIOUS OGDEN #	WATTS	VOLTS
188-003-01	FD1Z-0704	N/A	1000	240
188-003-02	FD1Z-0812	N/A	1000	277
188-003-03	FD2Z-0465	N/A	1667	139
188-003-04	FD2Z-0705	N/A	1667	277
188-003-05	FD2Z-0713	N/A	1250	240
188-003-06	FD2Z-0706	N/A	1650	120
188-003-07	FD2Z-0707	N/A	1250	277
188-012-01	FD3Z-0708	N/A	2200	240
188-012-02	FD3Z-0709	N/A	2200	480
188-012-04	FD7Z-0710	N/A	6000	480
188-012-06	FD7Z-0830	N/A	8000	480
188-012-07	FD7Z-0712	N/A	4400	240
188-012-08	FD7Z-0711	N/A	4400	480
188-012-09	FD3Z-0446	N/A	2200	208
188-069-01	E4Z-0835	F4Z-0082	2200	120
188-069-03	E4Z-0836	F4Z-0083	2200	240
188-069-04	E4Z-0837	F4Z-0385	1650	120
188-069-05	E4Z-0838	F4Z-0395	1650	480
188-069-06	E4Z-0862	N/A	1667	138
188-069-07	E4Z-0863	N/A	1250	240
188-091-05	E2Z-0831	F2Z-0084	1250	240
188-091-06	E2Z-0832	F2Z-0179	1250	346
188-091-07	E2Z-0833	F2Z-0085	1250	208
188-091-08	E2Z-0834	F2Z-0086	1250	277
188-117-04	A3Z-1113	B4Z-0064	2200	208
188-117-05	A3Z-1114	B4Z-0065	2200	240
188-117-06	A3Z-1115	B4Z-0053	2200	480
188-117-07	A3Z-1116	B4Z-0090	2200	346
188-117-08	A3Z-1117	B4Z-0634	2450	208
188-117-09	A3Z-1118	B4Z-0635	2450	240
188-117-10	A3Z-1119	B4Z-0637	2450	480
188-117-11	A3Z-1120	B4Z-0636	2450	346
188-254-01	E2Z-0845	F2Z-0094	900	115
188-254-02	E2Z-0846	F2Z-0263	900	240
188-254-04	E4Z-1049	N/A	1667	115
188-254-06	E4Z-1152	N/A	1667	208
188-259-01	E4Z-0839	F4Z-0112	1850	240
188-259-02	E4Z-0840	F4Z-0180	1900	208
188-259-03	E4Z-0841	F4Z-0369	2000	480
188-259-04	E4Z-0842	F4Z-0371	2000	240
188-259-05	E4Z-0843	F4Z-0413	2000	208
188-259-06	E4Z-0844	F4Z-0563	2000	346
188-259-07	E4Z-1035	N/A	1250	277
188-259-08	E4Z-1036	N/A	1655	277
209-556-01	J6Z-0771	N/A	3000	115
209-556-02	J6Z-0898	N/A	3000	240
D3629-06	A4Z-0875	N/A	2500	240
D4493-09	A4Z-0896	N/A	2500	240

DEHUMIDIFIER / DRYER REPLACEMENT HEATERS (continued)

PROCESS CONTROL			
OEM #	OGDEN #	WATTS	VOLTS
N/A	E4Z-0101	1200	230
N/A	E4Z-0102	1200	230
N/A	E4Z-0476	1200	480
N/A	E4Z-0782	1200	500

THORESON / MC COSH			
OEM #	OGDEN #	WATTS	VOLTS
404322	E8Z-0382	3600	600
404325C	E2Z-0388	1200	480
404327	A5Z-0359	1200	240
404328C	O10W-0643	4800	240
404330C	E6Z-0324	2400	460
404331C	E6Z-0495	2400	600
404332C	E8Z-0505	4800	600
404333C	E8Z-0344	3600	460
404334	E10Z-0725	4800	460
404336	O4Z-0486	4800	240
404374	A5Z-0280	1200	480
406374C	A5Z-0590	1200	460
406375	O6Z-0602	2400	240
407068	E16W-0350	7200	480
410101	A5Z-0699	1800	460
410193	A5Z-0700	1800	215

UNIVERSAL DYNAMICS			
OEM #	OGDEN #	WATTS	VOLTS
03400	B9W-0697	1222	230
03401	B5W-0727	885	230
03403	B9W-0875	1700	230
03415	B9W-0668	1555	230
03420	B6W-0694	1110	267
03424	A4W-1507	1650	460
03425	A4W-1033	1650	230
03435	A5W-1209	2500	230
03436	A5W-1522	2500	460
03505	A5W-1596	2500	230
03515	A5W-1581	2500	460
03550	A4W-1578	1333	230
03565	A4W-1579	1333	460
03580	FD2Z-0956	1080	208
03583	FD2Z-0955	1080	332
03586	J9W-1658	3000	230
03587	J9W-1659	3000	460
03592	A5W-1808	1000	230
03593	A5W-1768	1000	460
03598	J6W-1701	1450	230
03599	J6W-1702	1450	460
03604	L14W-0180	5000	230

THERMOFORMER REPLACEMENT HEATERS

IRWIN RESEARCH			
OEM #	OGDEN #	WATTS	VOLTS
H1065	F5W-0213	1100	240
H3053	F4W-0501	950	240
H3055	F3W-0500	600	240
H6730	F2W-0840	387	240
H6731	F3W-0841	645	240
H7687	F4W-0842	1100	240
H9067	F5W-0843	1200	240
H9241	F4W-0839	1000	240
H11173	F3W-0866	725	240
H12931	F3W-0924	770	240
H15589	F3W-0981	1100	240

BROWN MACHINE DIVISION				
OEM #	OGDEN #	DESCRIPTION	WATTS	VOLTS
543X00060	J3T-0508	Tubular Heater	1300	240
543X00100	J3T-1709	Tubular Heater	1300	480
543X00130	J4T-1729	Tubular Heater	1800	480
543X00170	J4T-1692	Tubular Heater	2000	480
543X00210	J4T-1753	Tubular Heater	2200	480
543X00250	J5T-1708	Tubular Heater	2500	480
543X00360	J7T-0363	Tubular Heater	3600	240
543X00390	J7T-1774	Tubular Heater	3600	480
543X00430	J7T-1771	Tubular Heater	3600	480
543X00490	J3T-1818	Tubular Heater	1250	240
543X00500	J12T-2041	Tubular Heater	6800	380
543X00530	J18T-1726	Tubular Heater	12000	480
543X00810	J27T-1718	Tubular Heater	14400	480
543X00840	J6T-0145	Tubular Heater	3000	240
543X00861	HDS-478A-0081	HD Strip Heater	1350	240
543X00880	J22T-1770	Tubular Heater	12200	480
543X00970	A-1-650	Black Body Ceramic	650	240
543X01190	J7T-1769	Tubular Heater	3600	380
543X01340	J2T-0381	Tubular Heater	1100	240
543X01370	J6T-1054	Tubular Heater	3000	480
543X04390	J3Z-1754	Tubular Heater	1400	480
543X04500	J29T-1738	Tubular Heater	14400	480
543X04650	HDS-538A-0094	HD Strip Heater	1500	240
543X06950	J5T-1830	Tubular Heater	2500	415
543X06990	J10T-1936	Tubular Heater	6000	415

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS

VAN DORN							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
12391B	FBE05E01J-00184	5-1/4"	1-1/2"	Mica Band	T1, 10	1000	230
12393B	FBE03A01A-00136	3"	1"	Mica Band	T1, 10	400	240
12473B	FBE05N01J-00962	5-3/4"	1-1/2"	Mica Band	T1, 10	1000	230
16526B	FBE05E01J-00181	5-1/4"	1-1/2"	Mica Band	T1, 10	600	240
25147B	FBE06N01J-00699	6-3/4"	1-1/2"	Mica Band	T1, 10	815	220
25148B	FBE04A01J-00158	4"	1-1/2"	Mica Band	T1, 10	625	220
27213B	FBE07L03A-03299	7-5/8"	3"	Mica Band	T2, 9	2000	230
27214B	FBE07L03A-03300	7-5/8"	3"	Mica Band	T2, 9	1800	230
28784B	FBE05N01J00187	5-3/4"	1-1/2"	Mica Band	T1, 10	600	230
28786B	FBE07J01J-00201	7-1/2"	1-1/2"	Mica Band	T1, 10	815	230
29339B	FBE05C01J-03301	5-1/8"	1-1/2"	Mica Band	T1, 10	700	230
29341B	FBE09J03A-00212	9-1/2"	3"	Mica Band	T2, 9	2000	230
29347B	HBE08E02A-03302	8-1/4"	2"	Mica Band	T1, 10, 14	900*	115*
30465B	FBE08E03A-03303	8-1/4"	3"	Mica Band	T2, 9	2000	230
31805B	HBE08E03A-03304	8-1/4"	3"	Mica Band	T1, 10, 14	900*	230*
32138B	FBE04A01A-00335	4"	1"	Mica Band	T1, 10	625	240
36210B	FBE02G01A-00124	2-3/8"	1"	Mica Band	T1, 10	250	240
36211B	FBE03A01J-00140	3"	1-1/2"	Mica Band	T1, 10	450	220
37186B	FBE08E03A-03305	8-1/4"	3"	Mica Band	T2, 9	1800	230
37587B	FBE06A01J-03306	6"	1-1/2"	Mica Band	T1, 10	600	230
38947B	HBE09J06A-03307	9-1/2"	6"	Mica Band	T2, 9, 14	2000*	230*
38948B	HBE08J04A-03308	8-1/2"	4"	Mica Band	T2, 9, 14	1800*	230*
40978B	FBE03L01J-00153	3-5/8"	1-1/2"	Mica Band	T1, 10	625	240
41987B	HBE06A01J-03309	6"	1-1/2"	Mica Band	T1, 10, 14	500*	115*
41988B	FBE06N01J-03310	6-3/4"	1-1/2"	Mica Band	T1, 10	600	230
41989B	FBE04A01J-00329	4"	1-1/2"	Mica Band	T1, 10	400	230
45982B	FBE02J05A-03311	2-1/2"	5"	Mica Band	T2, 9	900	230
45983B	FBE05J03A-03312	5-1/2"	3"	Mica Band	T2, 9	1000	230
45985B	HBE11E03A-03313	11-1/4"	3"	Mica Band	T2, 9, 14	1200*	230*
50070B	HBE04A01A-03314	4"	1"	Mica Band	T1, 10, 14	313*	230*
50071B	FBE04A01J-03315	4"	1-1/2"	Mica Band	T1, 10	625	460
50387B	FBE01J01J-01055	1-1/2"	1-1/2"	Mica Band	60" fig. 3, 9	275	230
51137B	FBR06N01J-00197	6-3/4"	1-1/2"	Mica Band	T1, 10	1000	240
51191B	HBE03A01A-00134	3"	1"	Mica Band	T1, 10, 14	200*	230*
51796B	FBE03L01J-03316	3-5/8"	1-1/2"	Mica Band	T1, 10	625	460
61367B	HBE07L02A-03867	7-5/8"	2"	Mica Band	T1, 10, 14	650*	230*
64584B	CBE05E01J-00684	5-1/4"	1-1/2"	Ceramic Band	Fig. B	600	230
64890B	CBE03L01J-00009	3-5/8"	1-1/2"	Ceramic Band	Fig. B	625	230
65982B	FBE05E01A-03317	5-1/4"	1"	Mica Band	T1, 10	600	230
66258B	FBE04A01J-03318	4"	1-1/2"	Mica Band	18" fig. 1, 9	625	460
66270B	FBE02H01A-03319	2-7/16"	1"	Mica Band	60" fig. 1, 9	250	230
66301B	FBE03A01A-03320	3"	1"	Mica Band	12" fig. 1, 9	400	460
66302B	FBE03A01A-00137	3"	1"	Mica Band	12" fig. 1, 9	400	240
66821B	CBE06A01J-00026	6"	1-1/2"	Ceramic Band	Fig. B	1000	230
66822B	CBE06N01J-01067	6-3/4"	1-1/2"	Ceramic Band	Fig. B	1000	230
66952B	CBE04A01J-00010	4"	1-1/2"	Ceramic Band	Fig. B	625	230
67082B	FBE04A01J-03323	4"	1-1/2"	Mica Band	12" fig. 1, 9	400	460
67729B	FBE08E02A-03324	8-1/4"	2"	Mica Band	T1, 10	1800	230

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

VAN DORN (continued)							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
67736B	CBE04A02A-01068	4"	2"	Ceramic Band	Fig. B	1250	230
67769B	FBE05C01J-03322	5-1/8"	1-1/2"	Mica Band	168" fig. 1, 9	700	230
67945B	MT-03010-1464	3"	1"	Mighty-Tuff	36" type F	400	240
68103B	CBE06N01J-01069	6-3/4"	1-1/2"	Ceramic Band	Fig. B	815	230
68105B	CBE05N01J-01070	5-3/4"	1-1/2"	Ceramic Band	Fig. B	600	230
71922B	HBE11A03A-03325	11"	3"	Mica Band	T2, 9, 14	1000*	230*
74840B	HBE05E01J-03326	5-1/4"	1-1/2"	Mica Band	T1, 10, 14	500*	230*
74842B	HBE05E01J-03327	5-1/4"	1-1/2"	Mica Band	T1, 10, 14	300*	230*
77529B	HBE07L03A-03328	7-5/8"	3"	Mica Band	T2, 9, 14	900*	230*
77685B	CBE05E01J-00685	5-1/4"	1-1/2"	Ceramic Band	Fig. B	1000	230
78498B	HBE06N01J-03329	6-3/4"	1-1/2"	Mica Band	T1, 10, 14	408*	230*
80021	FBE02N01A-00539	2-3/4"	1"	Mica Band	T1, 10	300	240
80022	MT-02710-1465	2-3/4"	1"	Mighty-Tuff	12" fig. F	400	240
80028	FBE03A01J-00139	3"	1-1/2"	Mica Band	T1, 10	400	240
80030	FBE03A01J-00269	3"	1-1/2"	Mica Band	T1, 10	400	480
80032	FBE04A01J-03330	4"	1-1/2"	Mica Band	T1, 10	550	240
80042	FBE02N01J-00133	2-3/4"	1-1/2"	Mica Band	T1, 10	400	240
84733	MT-03030-1428	3"	3"	Mighty-Tuff	SG, E	1250	240/480
84734	MT-03530-1466	3-1/2"	3"	Mighty-Tuff	SG, E	1500	240/480
84735	MT-04030-1467	4"	3"	Mighty-Tuff	SG, E	1750	240/480
99533B	MT-01515-1258	1-1/2"	1-1/2"	Mighty-Tuff	144" fig. R	275	230
99909B	MT-05215-0344	5-1/4"	1-1/2"	Mighty-Tuff	SH	1400	230
99914B	MT-08220-1468	8-1/4"	2"	Mighty-Tuff	SG, T	1300*	115*
99995B	MT-03615-1470	3-5/8"	1-1/2"	Mighty-Tuff	18" fig. F	625	230
302454B	FBE05E03A-02368	5-1/4"	3"	Mica Band	T2, 9	1700	230
302455B	FBE05E04J-03365	5-1/4"	4-1/2"	Mica Band	T2, 9	3300	230
302456B	FBE05E04J-03366	5-1/4"	4-1/2"	Mica Band	T2, 9	2400	230
302457B	FBE05E02E-03367	5-1/4"	2-1/4"	Mica Band	T1, 10	1300	230
302458B	FBE05E02E-03368	5-1/4"	2-1/4"	Mica Band	T1, 10	1300	460
302459B	FBE03A01A-03369	3"	1"	Mica Band	100" fig. 1, 9	400	230
302511B	FBE06N01J-03370	6-3/4"	1-1/2"	Mica Band	T1, 10	1300	230
302512B	FBE05N01A-03371	5-3/4"	1"	Mica Band	T1, 10	600	460
302514B	FBE05N01J-03372	5-3/4"	1-1/2"	Mica Band	T1, 10	1000	480
302517B	FBE05E01A-02546	5-1/4"	1"	Mica Band	T1, 10	600	460
302748B	FBE03A01J-00141	3"	1-1/2"	Mica Band	T1, 10	500	240
302971B	FBE05E03A-03373	5-1/4"	3"	Mica Band	T2, 9	1700	460
302972B	FBE05E04J-03374	5-1/4"	4-1/2"	Mica Band	T2, 9	2400	460
303137B	FBE04A01J-03375	4"	1-1/2"	Mica Band	120" fig. 1, 9	625	230
303142B	FBE06N01J-03377	6-3/4"	1-1/2"	Mica Band	T1, 10	1100	460
303147B	FBE06N05A-03378	6-3/4"	5"	Mica Band	T2, 9	4700	230
303150B	FBE06N04E-03379	6-3/4"	4-1/4"	Mica Band	T2, 9	3100	230
303152B	FBE07J01J-03380	7-1/2"	1-1/2"	Mica Band	T1, 10	1100	230
303508B	FBE05A02J-03381	5"	2-1/2"	Mica Band	172" fig. 16, 9	1300	230
304265B	FBE06N05A-03382	6-3/4"	5"	Mica Band	T2, 9	3700	230
304266B	FBE06N04E-03383	6-3/4"	4-1/4"	Mica Band	T2, 9	3100	460

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

VAN DORN (continued)							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
304624B	HBE06A01J-01858	6"	1-1/2"	Mica Band	T1, 10	550*	230*
305562B	FBE04A02E-03384	4"	2-1/4"	Mica Band	T1, 10	1100	230
305748B	FBE05E01J-03385	5-1/4"	1-1/2"	Mica Band	T1, 10	800	460
305916B	MT-02540-1477	2-1/2"	4"	Mighty-Tuff	154" fig. R	1200	115
307223B	FBE03L01J-03386	3-5/8"	1-1/2"	Mica Band	T1, 10	525	230
307224B	FBE03L01J-03387	3-5/8"	1-1/2"	Mica Band	T1, 10	650	230
307225B	FBE04A01J-03388	4"	1-1/2"	Mica Band	T1, 10	725	230
307228B	FBE06A01J-00685	6"	1-1/2"	Mica Band	T1, 10	1000	230
307232B	FBE06N03J-03390	6-3/4"	3-1/2"	Mica Band	T2, 9	2400	230
307235B	FBE07L04J-03391	7-5/8"	4-1/2"	Mica Band	T2, 9	3150	460
307236B	FBE07L03J-03392	7-5/8"	3-1/2"	Mica Band	T2, 9	2250	460
307283B	FBE08E02A-03393	8-1/4"	2"	Mica Band	T1, 10	1600	460
307240B	HBE08E04A-03394	8-1/4"	4"	Mica Band	T2, 9, 14	1675*	230*
307242B	HBE09J05A-03395	9-1/2"	5"	Mica Band	T2, 9, 14	2250*	230*
307245B	HBE11A03A-03396	11"	3"	Mica Band	T2, 9, 14	1475*	230*
307247B	HBE13A03A-02361	13"	3"	Mica Band	T2, 9, 14	1750*	230*
307249B	HBE13A06A-03397	13"	6"	Mica Band	T2, 9, 14	3500*	230*
307260B	FBE05N01A-03398	5-3/4"	1"	Mica Band	36" fig. 1, 9	600	460
307293B	HBE08E02J-03399	8-1/4"	2-1/2"	Mica Band	T2, 9, 14	1000*	230*
307356B	FBE07L03A-03400	7-5/8"	3"	Mica Band	T2, 9	2233	460
307357B	HBE09J05J-03401	9-1/2"	5-1/2"	Mica Band	T2, 9, 14	2450*	230*
307358B	HBE09J06A-03402	9-1/2"	6"	Mica Band	T2, 9, 14	2650*	230*
307359B	HBE09J06A-03403	9-1/2"	6"	Mica Band	T2, 9, 14	2700*	230*
307360B	HBE11E05A-02360	11-1/4"	5"	Mica Band	T2, 9, 14	2550*	230*
307660B	FBE04A02A-03404	4"	2"	Mica Band	T1, 10	1100	460
307695B	FBE05E01A-03405	5-1/4"	1"	Mica Band	36" fig. 1, 9	600	460
307857B	HBE09J02A-03406	9-1/2"	2"	Mica Band	T1, 10	900*	230*
307859B	FBE06N06A-02957	6-3/4"	6"	Mica Band	T2, 9	3750	230
307860B	FBE06N06A-00639	6-3/4"	6"	Mica Band	T2, 9	3750	460
307861B	FBE06N01J-03407	6-3/4"	1-1/2"	Mica Band	T1, 10	1000	460
307862B	FBE06N03J-03408	6-3/4"	3-1/2"	Mica Band	T2, 9	2400	460
307863B	FBE06A01J-03409	6"	1-1/2"	Mica Band	T1, 10	1000	460
307864B	FBE06N04A-03410	6-3/4"	4"	Mica Band	T2, 9	2600	230
307865B	FBE05E04J-02211	5-1/4"	4-1/2"	Mica Band	T2, 9	2700	230
307866B	FBE05E05A-02128	5-1/4"	5"	Mica Band	T2, 9	2400	230
307867B	FBE06N01J-02547	6-3/4"	1-1/2"	Mica Band	T1, 10	1200	460
307868B	FBE05N01A-03411	5-3/4"	1"	Mica Band	36" fig. 1, 9	600	230

* Indicates watts and volts each half

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

CINCINNATI MILACRON							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
3901991	FBE01J01J-02679	1-1/2"	1-1/2"	Mica Band	48" fig. 3, 9	275	120
3901993	FBE01J04A-02680	1-1/2"	4"	Mica Band	48" fig. 3, 9	500	120
3904526	FBE01J01J-03706	1-1/2"	1-1/2"	Mica Band	36" fig. 1, 17, 9	300	120
3988972-3	FBE05R01J-02682	5-7/8"	1-1/2"	Mica Band	36" fig. 1, 17, 9	675	240/480
3989010-3	FBE06J01J-02683	6-1/2"	1-1/2"	Mica Band	36" fig. 1, 17, 9	900	240/480
3989120-4	FBE07J01J-02684	7-1/2"	1-1/2"	Mica Band	48" fig. 1, 17, 9	1500	240/480
3990305-3	FBE05J02J-02685	5-1/2"	2-1/2"	Mica Band	36" fig. 1, 17, 9	950	240/480
3991263-3	FBE04R02J-02723	4-7/8"	2-1/2"	Mica Band	36" fig. 1, 17, 9	720	240/480
3994402	FBE05R05E-02724	5-7/8"	5-1/4"	Mica Band	T3, 17, 9	2350	240/480
3994523	FBE07J07E-02725	7-1/2"	7-1/4"	Mica Band	T3, 17, 9	5000	240/480
5021019	FBE09H02A-02727	9-7/16"	2"	Mica Band	T3, 17, 9	1700	240/480
5021020	FBE09H03J-02728	9-7/16"	3-1/2"	Mica Band	T3, 17, 9	3000	240/480
5021021	FBE08B04A-02729	8-1/16"	4"	Mica Band	T3, 17, 9	2100	240/480
5021022	FBE08B09E-02730	8-1/16"	9-1/4"	Mica Band	T3, 17, 9	4900	240/480
5021232	FBE11N02A-02731	11-13/16"	2"	Mica Band	T3, 17, 9	2200	240/480
5021233	FBE11N03J-02785	11-13/16"	3-1/2"	Mica Band	T3, 17, 9	3900	240/480
5021234	FBE08H03J-03707	8-7/16"	3-1/2"	Mica Band	T3, 17, 9	2800	240/480
5021235	FBE08H08J-03708	8-7/16"	8-1/2"	Mica Band	T3, 17, 9	6800	240/480
5021402	FBE04S02G-03709	4-15/16"	2-3/8"	Mica Band	T3, 17, 9	1000	240/480
5021428	FBE04S02G-03710	4-15/16"	2-3/8"	Mica Band	T3, 17, 9	1200	240/480
5022010	FBE06J05J-02776	6-1/2"	5-1/2"	Mica Band	T3, 17, 9	3000	240/480
5022013	FBE04S04A-02777	4-15/16"	4"	Mica Band	T3, 17, 9	1200	240/480
5022015	FBE05J04J-02778	5-1/2"	4-1/2"	Mica Band	T3, 17, 9	1700	240/480
5024377	FBE10H02A-02779	10-7/16"	2"	Mica Band	T3, 17, 9	2000	240/480
5024378	FBE10H03J-02780	10-7/16"	3-1/2"	Mica Band	T3, 17, 9	3300	240/480
5024379	FBE08J05J-02781	8-1/2"	5-1/2"	Mica Band	T3, 17, 9	3800	240/480
5024380	FBE08J10A-02782	8-1/2"	10"	Mica Band	T3, 17, 9	7000	240/480
5025306	FBE08J02A-02783	8-1/2"	2"	Mica Band	T3, 17, 9	1900	240/480
5025037	FBE08J07R-02784	8-1/2"	7-7/8"	Mica Band	T3, 17, 9	7000	240/480
5027465	FBE13A02J-03715	13"	2-1/2"	Mica Band	T3, 17, 9	3000	240/480
5027466	FBE13A04N-02786	13"	4-3/4"	Mica Band	T3, 17, 9	5000	240/480
5027467	FBE09H03A-02787	9-7/16"	3"	Mica Band	T3, 17, 9	2300	240/480
5027468	FBE09H09J-02788	9-7/16"	9-1/2"	Mica Band	T3, 17, 9	7360	240/480
326330	MT-05015-1521	5"	1-1/2"	Mighty-Tuff*	SG, E	580	240/480
326331	MT-06515-1522	6-1/2"	1-1/2"	Mighty-Tuff*	SG, E	1000	240/480
326332	MT-07515-1523	7-1/2"	1-1/2"	Mighty-Tuff*	SG, E	900	240/480
326333	MT-08015-1524	8"	1-1/2"	Mighty-Tuff*	SG, E	1000	240/480
326334	MT-09015-1525	9"	1-1/2"	Mighty-Tuff*	SG, E	1400	240/480
326335	MT-10015-1526	10"	1-1/2"	Mighty-Tuff*	SG, E	1200	240/480
326336	MT-11015-1527	11"	1-1/2"	Mighty-Tuff*	SG, E	1480	240/480
326337	MT-07015-1528	7"	1-1/2"	Mighty-Tuff*	SG, E	580	240/480
326338	MT-08015-1529	8"	1-1/2"	Mighty-Tuff*	SG, E	800	240/480
326340	MT-09015-1530	9"	1-1/2"	Mighty-Tuff*	SG, E	1100	240/480
326341	MT-09515-1531	9-1/2"	1-1/2"	Mighty-Tuff*	SG, E	1000	240/480
326342	MT-13015-1532	13"	1-1/2"	Mighty-Tuff*	SG, E	1400	240/480
326344	MT-14515-1533	14-1/2"	1-1/2"	Mighty-Tuff*	SG, E	1480	240/480
326346	MT-05015-1534	5"	1-1/2"	Mighty-Tuff*	SG, E	770	240/480

* Original Equipment items in this section are 3/8" thick formed strip heaters

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

CINCINNATI MILACRON (continued)							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
326347	MT-07015-1535	7"	1-1/2"	Mighty-Tuff*	SG, E	1000	240/480
326338	MT-08015-1529	8"	1-1/2"	Mighty-Tuff*	SG, E	800	240/480
326340	MT-09015-1530	9"	1-1/2"	Mighty-Tuff*	SG, E	1100	240/480
326341	MT-09515-1531	9-1/2"	1-1/2"	Mighty-Tuff*	SG, E	1000	240/480
326342	MT-13015-1532	13"	1-1/2"	Mighty-Tuff*	SG, E	1400	240/480
326344	MT-14515-1533	14-1/2"	1-1/2"	Mighty-Tuff*	SG, E	1480	240/480
326346	MT-05015-1534	5"	1-1/2"	Mighty-Tuff*	SG, E	770	240/480
326347	MT-07015-1535	7"	1-1/2"	Mighty-Tuff*	SG, E	1000	240/480
* Original Equipment items in this section are 3/8" thick formed strip heaters.							
5021022	FBE08E09E-03977	8-1/4"	9-1/4"	Mica Band	T2, 2 circuit, 9	4900	240/480
5024377	FBE10H02A-03978	10-7/16"	2"	Mica Band	T1, 9	2000	240/480
5024378	FBE10H03J-03979	10-7/16"	3-1/2"	Mica Band	T2, 9	3300	240/480
5032143	FBE07J03J-03980	7-1/2"	3-1/2"	Mica Band	T2, 9	2325	240
5032147	FBE08H04J-03981	8-7/16"	4-1/2"	Mica Band	T2, 9	2275	240
5032153	FBE09H04L-03982	9-7/16"	4-5/8"	Mica Band	T2, 9	3425	240
5033192	MT-13025-1536	13"	2"	Mighty-Tuff	SG, E	3000	240/480
5033194	MT-09440-1537	9-7/16"	4"	Mighty-Tuff	SG, E	4000	240/480
5034485	MT-09430-1538	9-7/16"	3"	Mighty-Tuff	SG, E	2400	240/480
5034486	MT-09420-1539	9-7/16"	2"	Mighty-Tuff	SG, E	1600	240/480
5034487	MT-08030-1540	8-1/16"	3"	Mighty-Tuff	SG, E	2000	240/480
5035117	MT-08040-1541	8-1/16"	4"	Mighty-Tuff	SG, E	2650	240/480
5035761	MT-11040-1542	11"	4"	Mighty-Tuff	SG, E	3500	240/480
5038858	MT-05850-1543	5-7/8"	5"	Mighty-Tuff	SG, E	2350	240/480
5038989	MT-04940-1544	4-15/16"	4"	Mighty-Tuff	SG, E	1200	240/480
5039028	MT-08450-1545	8-7/16"	5"	Mighty-Tuff	SG, E	3250	240/480
5039197	MT-06550-1546	6-1/2"	5"	Mighty-Tuff	SG, E	3000	240/480
5039239	MT-07530-1547	7-1/2"	3"	Mighty-Tuff	SG, E	2325	240/480
5039247	MT-09430-1548	9-7/16"	3"	Mighty-Tuff	SG, E	2300	240/480
3934714	CBE09A03A-01273	9"	3"	Mighty-Miser Ceramic Band (3" wide - Maxi-Miser)	Fig. S	2200	480
3934714	CBE07J03A-01274	7-1/2"	3"		Fig. S	1800	240
3937943	CBE11A03A-01276	11"	3"		Fig. S	2600	240/480
3937944	CBE09J03A-01278	9-1/2"	3"		Fig. S	2200	240/480
3937945	CBE08A03A-01277	8"	3"		Fig. S	1900	480
3937946	CBE04A03A-01278	4"	3"		Fig. S	950	240/480
3942413	CBE06J01J-01279	6-1/2"	1-1/2"		Fig. S	1000	480
3942414	CBE05A01J01280	5"	1-1/2"		Fig. S	770	480
3942415	CBE08A01J-01281	8"	1-1/2"		Fig. S	770	480
3942354	CBE08A01J-01282	8"	1-1/2"		Fig. S	800	460
3950601	CBE07A01J-01292	7"	1-1/2"		Fig. S	1400	480
3951715	CBE09A03A-01283	9"	3"		Fig. S	2800	480
3953018	CBE05A01J-01284	5"	1-1/2"		Fig. S	770	240
3953286	CBE06J01J-01285	6-1/2"	1-1/2"		Fig. S	1000	240
3953856	CBE08A01J-01286	8"	1-1/2"		Fig. S	770	240
3954087	CBE08A01J-01287	8"	1-1/2"		Fig. S	1000	480
3954088	CBE09A01J-01288	9"	1-1/2"		Fig. S	1100	480
3954239	CBE07J03A-01289	7-1/2"	3"		Fig. S	1800	240

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

CINCINNATI MILACRON (continued)							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
3954815	CBE10A03A-01290	10"	3"	Mighty-Miser Maxi Insulated Ceramic Band	Fig. S	2400	480
3954816	CBE13A03A-01291	13"	3"		Fig. S	4200	480
3955554	CBE06J03A-01293	6-1/2"	3"		Fig. S	2000	240
3955555	CBE08A03A-01294	8"	3"		Fig. S	2000	240
3955584	CBE06J02A-01295	6-1/2"	2"		Fig. S	1000	480
3955644	CBE05A02A-01296	5"	2"		Fig. S	800	480
3957286	CBE05J01J-01297	5-1/2"	1-1/2"		Fig. S	600	480
3957287	CBE05A03A-01298	5"	3"		Fig. S	1200	480
3957288	CBE05J03A-01299	5-1/2"	3"		Fig. S	1200	480
3958121	CBE06J03A-01300	6-1/2"	3"		Fig. B	2500	480
3958122	CBE08A03A-01301	8"	3"		Fig. S	3000	480
3958274	CBE07J03A-01302	7-1/2"	3"		Fig. S	3000	480
3958485	CBE09J03A-01303	9-1/2"	3"		Fig. S	4000	480

KLOCKNER WINDSOR							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
349.249	FBM120050-00152	120mm	50mm	Mica Band	.5 meter fig. 3, 9	1100	110
720.96.005	FBE01N04J-04171	1-3/4"	4-1/2"	Mica Band	24" fig. 3, 9	750	115
720.96.006	FBE02N01G-04175	2-3/4"	1-3/8"	Mica Band	24" fig. 3, 9	575	115
720.96.007	FBE02N00N-04174	2-3/4"	3/4"	Mica Band	24" fig. 3, 9	350	115
720.96.020	FBM120070-00153	120mm	70mm	Mica Band	.5 meter fig. 3, 9	1100	110
720.96.021	FBE02N01J-04177	2-3/4"	1-1/2"	Mica Band	18" fig. 3, 9	250	115
720.96.024	FBE01N01N-04172	1-3/4"	1-3/4"	Mica Band	84" fig. 3, 9	200	115
720.96.032	FBE02N00N-04173	2-3/4"	3/4"	Mica Band	24" fig. 3, 9	150	115
720.96.037	FBE02N01J-04176	2-3/4"	1-1/2"	Mica Band	24" fig. 3, 9	300	115
720.96.045	FBM100060-00151	100mm	60mm	Mica Band	.5 meter fig. 3, 9	900	110
720.98.065	FBM120050-00154	120mm	50mm	Mica Band	.5 meter fig. 3, 9	700	480
720.98.088	FBM270055-00155	270mm	55mm	Mica Band	3.75 meter fig. 3, 9	2300	480
720.98.091	FBM270080-00156	270mm	80mm	Mica Band	3.75 meter fig. 3, 9	3000	480
720.98.113	FBM300110-00158	300mm	110mm	Mica Band	2.5 meter fig. 3, 9	4000	480
720.98.125	FBM270055-00157	270mm	55mm	Mica Band	3.75 meter fig. 3, 9	2300	230

ESSEX							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
162-6-110-1	FBE02B04A-00116	2-7/64"	4"	Mica Band	B1, 9	950	240
162-6-111-1	FBE01G00L-00029	1-3/8"	11/16"	Mica Band	12" fig. 1, 9	100	240
162-6-112-1	FBE02B03A-00113	2-7/64"	3"	Mica Band	B1, 9	700	120
162-6-113-1	FBE01G00M-00028	1-3/8"	11/16"	Mica Band	12" fig. 1, 9	100	120
162-6-120-1	FBE02B05J-00117	2-7/64"	5-1/2"	Mica Band	B1, 9	1350	120
162-6-121-1	FBE02B03P-00115	2-7/64"	3-13/16"	Mica Band	B1, 9	850	120

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

NEWBURY							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
13000	FBE01L04E-03071	1-5/8"	4-1/4"	Mica Band	T2, 9	500	120
13001	FBE01L04E-04152	1-5/8"	4-1/4"	Mica Band	T2, 9	500	230
13002	FBE01L05E-04154	1-5/8"	5-1/4"	Mica Band	T2, 9	750	115
13003	FBE01L05E-04153	1-5/8"	5-1/4"	Mica Band	T2, 9	750	230
13007	FBE02J01J-04155	2-1/2"	1-1/2"	Mica Band	T1, 10	300	120
13008	FBE02J01J-04156	2-1/2"	1-1/2"	Mica Band	T1, 10	300	240
13009	FBE02J01J-03119	2-1/2"	1-1/2"	Mica Band	T1, 10	350	120
13010	FBE02J01J-04141	2-1/2"	1-1/2"	Mica Band	T1, 10	350	240
13012	FBE01E00J-03412	1-1/4"	5/8"	Mica Band	12" fig. 3, 9	100	120
13014	FBE01J00L-04157	1-1/2"	5/8"	Mica Band	12" fig. 3, 9	150	230
13015	FBE01J00L04146	1-1/2"	5/8"	Mica Band	12" fig. 3, 9	150	115
13020	FBE01J01J-02456	1-1/2"	1-1/2"	Mica Band	36" fig. 1, 9	200	240
13021	FBE02J01J04147	2-1/2"	1-1/2"	Mica Band	T1, 10	400	115
13022	FBE01A01J-02148	1"	1-1/2"	Mica Band	12" fig. 3, 9	150	240
13023	FBE04A02A-00347	4"	2"	Mica Band	T1, 10	800	480
13026	FBE04A02A-00163	4"	2"	Mica Band	T1, 10	800	240
13031	FBE01J01J-04144	1-1/2"	1-1/2"	Mica Band	36" fig. 3, 9	200	115
13032	FBE03J02A04148	3-1/2"	2"	Mica Band	T1, 10	650	230/460
13033	FBE04A02A-03413	4"	2"	Mica Band	T3, 10, Box	800	230/460
13034	FBE05A01E-04149	5"	1-1/4"	Mica Band	T1, 10	1250	230/460
13051	FBE01E00L-03412	1-1/4"	5/8"	Mica Band	12" fig. 3, 9	100	240
13052	FBE03J02A-00375	3-1/2"	2"	Mica Band	T1, 10	650	240
13053	FBE03J02A-03615	3-1/2"	2"	Mica Band	T1, 10	600	220
13061	FBE05J02J-04150	5-1/2"	2-1/2"	Mica Band	T1, 10	1250	230/460
13067	FBE01J02J-00066	1-1/2"	2-1/2"	Mica Band	48" fig. 1, 9	400	240
13071	FBE01J02J-04151	1-1/2"	2-1/2"	Mica Band	36" fig. 3, 9	400	120
13074	FBE04A02A-04145	4"	2"	Mica Band	T1, 10	1100	240
B5A1JP1	FBE05A01J-00980	5"	1-1/2"	Mica Band	T1, 10	700	240
B5A3EP1	FBE05A03E-03043	5"	3-1/4"	Mica Band	T2, 9	1150	240

FARRELL								
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts	
293923-844-4	CBE06J06A-01121	6-1/2"	6"	Mighty-Miser Ceramic Band		2000		
293923-848-7	CBE07A05J-01122	7"	5-1/2"					
293923-852-5	CBE07J07A-00054	7-1/2"	7"				2600	
293923-856-8	CBE08A06J-01123	8"	6-1/2"					
293923-859-2	CBE08E07J-01124	8-1/4"	7-1/2"				3100	
293923-862-2	CBE08N09A-00142	8-3/4"	9"			Fig. B	4100	230/460
293923-866-5	CBE09A08J-01125	9"	8-1/2"				3900	
293923-870-3	CBE09N10A-00313	9-3/4"	10"				5200	
293923-874-6	CBE10A05A-00293	10"	5"				2800	
293923-902-5	CBE04J04J-01127	4-1/2"	4-1/2"				1400	
293923-917-3	CBE03J03A-01128	3-1/2"	3"				650	
293923-940-1	CBE06A05A-01129	6"	5"				1600	

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

TOSHIBA							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
374L30-02	FBM090080-00101	90	80	Mica Band	T2, 9	1040	240
347L33-04	FBM0900080-00102	90	80	Mica Band	T2, 9	765	240
347L41-05	FBM095030-00128	95	30	Mica Band	1 meter fig. 16, 10	620	240
347L41-06	FBM095055-00129	95	55	Mica Band	1 meter fig. 16, 9, 17	1070	240
370L35-01	FBM165150-00147	165	150	Mica Band	T2, 9	3000	240
382G51-07	FBM030030-00132	30	30	Mica Band	2 meter fig. 16, 10	170	240
382G56-03	FBM030025-00115	30	25	Mica Band	1.5 meter fig. 16, 10	200	240
382G60-08	FBM050025-00118	50	25	Mica Band	2 meter fig. 16, 10	215	240
382G60-09	FBM055025-00119	55	25	Mica Band	1.5 meter fig. 16, 10	215	240
382G60-15	FBM055035-00120	55	35	Mica Band	2 meter fig. 16, 10	300	240
382G61-02	FBM060045-00130	60	45	Mica Band	2 meter fig. 16, 10	500	240
382G69-04	FBM060035-00131	60	35	Mica Band	1 meter fig. 16, 10	240	240
383G01-01	FBM090085-00104	90	85	Mica Band	T2, 9, 17	910	240
383G01-07	FBM090100-00105	90	100	Mica Band	T2, 9, 17	1180	240
383G05-02	FBM110090-00111	110	90	Mica Band	T2, 9, 17	1210	240
383G05-07	FBM110102-00112	110	102	Mica Band	T2, 9, 17	1500	240
383G08-02	FBM120118-00135	120	118	Mica Band	T2, 9, 17	1760	240
383G08-12	FBM120146-00136	120	146	Mica Band	T2, 9, 17	2300	240
383G11-01	HBM160060-00122	160	60	Mica Band	T2, 9, 14	550*	240*
383G11-05	HBM160090-00123	160	90	Mica Band	T2, 9, 14	800*	240*
383G12-03	FBM160152-00124	160	152	Mica Band	T2, 9, 17	3000	240
383G12-07	FBM160145-00125	160	145	Mica Band	T2, 9	3000	240
383G12-09	FBM160160-00126	160	160	Mica Band	T2, 9, 17	3380	240
383G12-11	FBM160185-00127	160	185	Mica Band	T2, 9	3900	240
383G45-06	HBM210145-00137	210	145	Mica Band	T2, 9, 14	2000*	240*
383G45-08	HBM245160-00141	245	160	Mica Band	T2, 9, 14	2400*	240*
383G45-15	HBM210145-00138	210	145	Mica Band	T2, 9, 14	2360*	240*
383G46-01	HBM215060-00139	215	60	Mica Band	T2, 9, 14	850*	240*
383G46-02	HBM220065-00140	220	65	Mica Band	T2, 9, 14	950*	240*
383G46-03	HBM260075-00142	260	75	Mica Band	T2, 9, 14	1300*	240*
383G46-04	HBM310085-00144	310	85	Mica Band	T2, 9, 14	1750*	240*
383G46-06	HBM325100-00145	325	100	Mica Band	T2, 9, 14	2150*	240*
383G46-12	HBM280155-00143	280	155	Mica Band	T2, 9, 14	2850*	240*
383G47-01	FBM140040-00113	110	40	Mica Band	1 meter fig. 16, 10, 17	400	240
383G47-02	FBM140050-00109	140	50	Mica Band	1 meter fig. 16, 10	640	240
383G47-03	FBM140090-00110	140	90	Mica Band	1 meter fig. 16, 9	1800	240
4K0842-2W	FBM32032-00134	32	32	Mica Band	2.5 meter fig. 3, 9	130	240
968650-01	FBM110152-00114	110	152	Mica Band	T2, 9, 17	1440	240
976806-1W	FBM090070-00106	90	70	Mica Band	T2, 9, 17	940	240
976806-01	FBM090070-00107	90	70	Mica Band	T2, 9	780	240
976806-14	FBM090070-00108	90	70	Mica Band	T2, 9	940	240
976837-1W	FBM150152-00146	150	152	Mica Band	T2, 9	2800	240
982211-09	FBM050025-00116	50	25	Mica Band	1.5 meter fig. 3, 9	1800	240
388211-4W	FBM055025-00121	55	25	Mica Band	2 meter fig. 3, 9	200	240
L137323	FBM030050-00133	30	50	Mica Band	1 meter fig. 3, 9	200	240
S190586	FBM050060-00117	50	60	Mica Band	1.5 meter fig. 3, 9	560	240
S214414	FBM090080-00103	90	80	Mica Band	T2, 9, 17	875	240

* Watts and Volts Each Half

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

KONA							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
81-10-163	MT-01015-0266	1"	1-1/2"	Mighty-Tuff	36" type F	325	240
81-16-105	MT-01713-0267	1-3/4"	1-3/8"	Mighty-Tuff	36" type F	450	120
81-16-107	MT-01713-0174	1-3/4"	1-3/8"	Mighty-Tuff	12" type F	450	240
81-16-113	MT-01720-0177	1-3/4"	2"	Mighty-Tuff	12" type F	750	240
81-16-118	MT-01720-0268	1-3/4"	2"	Mighty-Tuff	120" type F	750	240
81-16-136	MT-01730-0179	1-3/4"	3"	Mighty-Tuff	12" type F	1000	240
81-20-102	MT-02010-0021	2"	1"	Mighty-Tuff	12" type A	350	120
81-20-104	MT-02010-0269	2"	1"	Mighty-Tuff	36" type F	350	220
81-20-114	MT-02020-0176	2"	2"	Mighty-Tuff	12" type F	750	120
81-20-116	MT-02020-0175	2"	2"	Mighty-Tuff	12" type F	750	240
81-20-124	MT-02225-1550	2-1/4"	2-1/2"	Mighty-Tuff	36" type A	1000	120
81-20-125	MT-02225-1551	2-1/4"	2-1/2"	Mighty-Tuff	36" type A	1000	240
81-20-134	MT-02030-1552	2"	3"	Mighty-Tuff	36" type R	1000	240
81-22-118	MT-02220-0270	2-1/4"	2"	Mighty-Tuff	120" type F	750	240
81-22-147	MT-02210-0271	2-1/4"	1"	Mighty-Tuff	120" type F	350	240

HPM / NEW BRITAIN							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
146-403	FBE02E00R-02871	2-1/4"	7/8"	Mica Band	48" fig. 3, 9	215	120
146-618	FBE04E02N-00167	4-1/4"	2-3/4"	Mica Band	48" fig. 6, 9*	950	240/480
146-3096	FBE04E02N-03415	4-1/4"	2-3/4"	Mica Band	36" fig. 6, 9*	950	480
155-730	FBE04R05A-00978	4-59/64"	5"	Mica Band	36" fig. 6, 9*	1520	240/480
155-731	FBE04R10A-00995	4-59/64"	10"	Mica Band	42" fig. 6, 9*	2200	240/480
155-732	FBE04R04S-00926	4-59/64"	4-15/16"	Mica Band	48" fig. 6, 9*	1100	240/480
155-1187	FBE04S02A-00855	4-15/16"	2"	Mica Band	24" fig. 6, 9*	800	240/480
155-1188	FBE04S03A-00175	4-15/16"	3"	Mica Band	24" fig. 6, 10*	1200	240/480
155-1189	FBE04S04A-00877	4-15/16"	4"	Mica Band	24" fig. 6, 10*	1500	240/480
155-4576	FBE01G01A-00030	1-3/8"	1"	Mica Band	48" fig. 3, 9	140	120
202-7853A	FBE05N04A-03417	5-3/4"	4"	Mica Band	72" fig. 6, 9*	1800	240/480
220-1530	FBE03N01J-00154	3-3/4"	1-1/2"	Mica Band	48" fig. 6, 10	400	240
220-1532	FBE06N02E-00648	6-3/4"	2-1/4"	Mica Band	48" fig. 6	1200	240/480
220-1600	FBE03N01J-03414	3-3/4"	1-1/2"	Mica Band	48" fig. 6, 10	400	480
300-1512	FBE08E03A-00665	8-1/4"	3"	Mica Band	48" fig. 6, 9*	1950	240/480
300-1513	FBE08E05N-00666	8-1/4"	5-3/4"	Mica Band	48" fig. 6, 9*	3750	240/480
300-1514	FBE05E02A-00975	5-1/4"	2"	Mica Band	48" fig. 6, 10	850	240/480
375-0042	FBE06N04N-02311	6-3/4"	4-3/4"	Mica Band	48" fig. 6, 9	2500	240/480
375-1506	FBE04A01J-03428	4"	1-1/2"	Mica Band	48" fig. 6, 10	500	120
475-298	FBE07P04A-03429	7-13/16"	4"	Mica Band	48" fig. 6, 9*	2650	240/480
C2-008-490A	FBE04S04A-00860	4-15/16"	4"	Mica Band	38" fig. 6, 9*	1500	240/480
C2-008-491A	FBE04S03A-00858	4-15/16"	3"	Mica Band	38" fig. 6, 9*	1200	240/480
C63-3142	FBE04E02N-02827	4-1/4"	2-3/4"	Mica Band	48" fig. 6, 9	950	240/480
EA2005730	FBE01A01N-03727	1"	1-3/4"	Mica Band	60" fig. 3, 9	230	120
EA2201600	FBE03N01J-03414	3-3/4"	1-1/2"	Mica Band	48" fig. 6, 10	400	480
EC2008490	FBE04S04A-03728	4-15/16"	4"	Mica Band	72" fig. 6, 9*	1500	240/480
EC2008491A	FBE04S03A-03729	4-15/16"	3"	Mica Band	72" fig. 6, 9*	1200	240/480
EC2017418	FBE01G01N-02164	1-3/8"	1-3/4"	Mica Band	84" fig. 3, 9	230	120

* Abbreviated for space limitations

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

TRUEBLOOD							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
112-21003	CBE02J01A-01206	2-1/2"	1"	Ceramic Band	12" Fig. L	375	240
112-21005	CBE03A01A-01207	3"	1"	Ceramic Band	12" Fig. L	500	230
112-21006	FBE01N01A-01453	1-3/4"	1"	Mica Band	12" fig. 1	260	240
112-21009	CBE04J04A-00493	4-1/2"	4"	Ceramic Band	Fig. B, F	1000	230
112-21010	CBE05J04A-01208	5-1/2"	4"	Ceramic Band	Fig. B, F	1500	230
122-21052	CBE04J04A-01209	4-1/2"	4"	Ceramic Band	Fig. B, F	500	230
112-21069	CBE03J04J-01210	3-1/2"	4-1/2"	Ceramic Band	Fig. B, F	1000	230

EGAN							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
227700	CBE05J05A-0024	5-1/2"	5"	Ceramic Band	Fig. B, F	2000	230/460
228161	CBE05J04J-01549	5-1/2"	4-1/2"	Ceramic Band	Fig. B, F	1750	230/460
228173	CBE15A06A-00079	15"	6"	Ceramic Band	Fig. S, F	8000	230/460
228665	CBE12A06A-00075	12"	6"	Ceramic Band	Fig. B, Hole	5000	230/460
306708	CBE06A05J-00032	6"	5-1/2"	Ceramic Band	Fig. B, F	2000	230/460
306709	CBE06A06A-00034	6"	6"	Ceramic Band	Fig. B, F	2000	230/460
306795	CBE07J04J-00049	7-1/2"	4-1/2"	Ceramic Band	Fig. B, F	2000	230/460
306876	CBE07J05J-01118	7-1/2"	5-1/2"	Ceramic Band	Fig. B, F	2500	230/460
308438	CBE04J04A-01550	4-1/2"	4"	Ceramic Band	Fig. B, F	800	230/460
308439	CBE09A05A-00992	9"	5"	Ceramic Band	Fig. B, F	2500	230/460
308440	CBE09A05J-00062	9"	5-1/2"	Ceramic Band	Fig. B, F	3000	230/460
308441	CBE12A06A-00074	12"	6"	Ceramic Band	Fig. B, Hole	4000	230/460
308443	CBE05J04A-00022	5-1/2"	4"	Ceramic Band	Fig. B, F	1500	230/460
308444	CBE05J04J-01119	5-1/2"	4-1/2"	Ceramic Band	Fig. B, F	1500	230/460
322311	CBE11A05A-01120	11"	5"	Ceramic Band	Fig. B, F	4000	230/460

AKRON EXTRUDER							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
P2-001-02	AFH1-80-0058-B	8"	1-1/2"	Aluma - Flex	Type B	1475	240-480
P2-001-03	AFH1-50-0076	5"	1-1/2"	Aluma - Flex	Type S	800	240-480
P2-001-04	AFH1-45-0086-B	4-1/2"	1-1/2"	Aluma - Flex	Type B	600	240-480
P2-001-06	HBE-03J02A-03730	3-1/2"	2"	Mica Band	Fig. 9, 14, T2	275*	240*
P2-001-16	AFH1-90-0168	9"	1-1/2"	Aluma - Flex	Type S	1100	240/480
P2-001-23	AFH1-35-0122	3-1/2"	1-1/2"	Aluma - Flex	Type S	650	240-480
P2-001-27	FBE05A01J-03731	5"	1-1/2"	Mica Band	Fig. 9, T1	800	480

*Watts and volts each half

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

WELEX							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
732.8005	CBE05A04A-00016	5"	4"	Ceramic Band	Fig. B	2200	240
732.8007	CBE05A05J-01076	5"	5-1/2"	Ceramic Band	Fig. B	2500	230
734.0000	CBE04J04A-00591	4-1/2"	4"	Ceramic Band	Fig. S	1700	230
734.0100	CBE04J04A00778	4-1/2"	4"	Ceramic Band	Fig. S	1700	230
734.0101	CBE04J04A-00826	4-1/2"	4"	Ceramic Band	48" fig. D*	1700	230
735.1200	CBE02A02L-00447	2"	2-5/8"	Ceramic Band	48" fig. D*	265	230
735.1500	CBE02A06A-00439	2"	6"	Ceramic Band	48" fig. D*	600	240
735.1604	CBE02A05N-01072	2"	5-3/4"	Ceramic Band	48" fig. D*	575	240
735.1801	CBE04A05J-01041	4"	5-1/2"	Ceramic Band	48" fig. D*	1800	230
735.1802	CBE04A03A-01040	4"	3"	Ceramic Band	48" fig. D*	1500	230
735.1803	CBE04A01J-01042	4"	10-1/2"	Ceramic Band	48" fig. D*	3500	230
735.1900	CBE02A04A-00453	2"	4"	Ceramic Band	48" fig. D*	400	240
735.2395	CBE02A05E-01098	2"	5-1/4"	Ceramic Band	48" fig. D*	525	240
735.2400	CBE02A05A-00440	2"	5"	Ceramic Band	48" fig. D*	500	240
735.2501	CBE02A02A-00443	2"	2"	Ceramic Band	48" fig. D*	200	230
735.2700	CBE02A03A-00448	2"	3"	Ceramic Band	48" fig. D*	300	240
735.2803	CBE02A02J-00445	2"	2-1/2"	Ceramic Band	48" fig. D*	250	240
735.2852	CBE02A03J-00451	2"	3-1/2"	Ceramic Band	48" fig. D*	250	240
735.2960	CBE02A04J-00450	2"	4-1/2"	Ceramic Band	48" fig. D*	450	240
735.2965	CBE02A04N-00976	2"	4-3/4"	Ceramic Band	48" fig. D*	475	240
735.3010	CBE04A02J-00388	4"	2-1/2"	Ceramic Band	48" fig. D*	700	240
735.3713	CBE02E05J-00443	2-1/4"	5-1/2"	Ceramic Band	48" fig. D*	550	240
735.3801	CBE02A06N-00771	2"	6-3/4"	Ceramic Band	48" fig. D*	675	240
736.1203	CBE03N06J-00363	3-3/4"	6-1/2"	Ceramic Band	48" fig. D*	1000	230
736.2200	CBE02E08J-01064	2-1/4"	8-1/2"	Ceramic Band	48" fig. D*	850	230
737.0100	CBE05J04A-00780	5-1/2"	4"	Ceramic Band	Fig. S	1500	230/460
739.0000	AFH1-55-0169-B	5-1/2"	1-1/2"	Aluma - Flex	Type B	1015	240/480
741.0000	AFH1-60-0098-B	6"	1-1/2"	Aluma - Flex	Type B	1100	240/480
742.0000	AFH1-65-0100-B	6-1/2"	1-1/2"	Aluma - Flex	Type B	1200	240/480
743.0000	AFH1-70-0102-B	7"	1-1/2"	Aluma - Flex	Type B	1300	240/480
745.0000	AFH1-75-0104-B	7-1/2"	1-1/2"	Aluma - Flex	Type B	1390	240/480
746.0000	AFH1-80-0058-B	8"	1-1/2"	Aluma - Flex	Type B	1475	240/480
746.3000	AFH1-87-0109-B	8-3/4"	1-1/2"	Aluma - Flex	Type B	1610	240/480
749.0000	AFH1-85-0070-B	8-1/2"	1-1/2"	Aluma - Flex	Type B	1565	240/480
750.5000	AFH1-90-0060-B	9"	1-1/2"	Aluma - Flex	Type B	1675	240/480
751.0000	AFH1-92-0111-B	9-1/4"	1-1/2"	Aluma - Flex	Type B	1720	240/480
753.0000	AFH1-95-0055-B	9-1/2"	1-1/2"	Aluma - Flex	Type B	1765	240/480
754.0100	AFH1-97-0113-B	9-3/4"	1-1/2"	Aluma - Flex	Type B	1810	240/480
755.0000	AFH1-100-0114-B	10"	1-1/2"	Aluma - Flex	Type B	1850	240/480
757.9900	AFH1-105-0208-B	10-1/2"	1-1/2"	Aluma - Flex	Type B	1500	120/240
758.0000	AFH1-105-0106-B	10-1/2"	1-1/2"	Aluma - Flex	Type B	1940	240/480
759.0501	AFH1-120-0034-B	12"	1-1/2"	Aluma - Flex	Type B	2230	240/480
760.5000	AFH1-110-0030-B	11"	1-1/2"	Aluma - Flex	Type B	2030	240/480
760.9200	AFH1-57-0097-B	5-3/4"	1-1/2"	Aluma - Flex	Type B	1060	240/480
761.0100	AFH115-0032-B	11-1/2"	1-1/2"	Aluma - Flex	Type B	2130	240/480
764.4000	AFH1-140-0042-B	14"	1-1/2"	Aluma - Flex	Type B	2600	240/480
* abbreviated for space limitations							

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

WELEX (continued)							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
772.9000	AFH1-40-0089-B	4"	1-1/2"	Aluma - Flex	Type B	750	240/480
773.0000	AFH1-42.0090-B	4-1/4"	1-1/2"	Aluma - Flex	Type B	780	240/480
773.8100	AFH1-35.0355-B	3-1/2"	1-1/2"	Aluma - Flex	Type B	650	240/480
773.8200	AFH1-37.0088-B	3-3/4"	1-1/2"	Aluma - Flex	Type B	700	240/480
774.0000	AFH1-45.0091-B	4-1/2"	1-1/2"	Aluma - Flex	Type B	810	240/480
778.0000	AFH1-50.0067-B	5"	1-1/2"	Aluma - Flex	Type B	925	240/480

NATCO							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
AR-14251	FBE03E01A-00147	3-1/4"	1"	Mica Band	60" fig. 5, 8	350	120
AR-14267	FBE01J02J-00064	1-1/2"	2-1/2"	Mica Band	60" fig. 5, 8	300	120
BR21899-1	CBE05N03A-01104	5-3/4"	3"	Ceramic Band	Fig. B	1800	240/480
BR21899-2	CBE06N04A-01105	6-3/4"	4"	Ceramic Band	Fig. B	2000	240/480
BR21899-3	CBE06F04A-00809	6-5/16"	4"	Ceramic Band	Fig. B	2200	240/480
BR21899-4	CBE07B04A-01056	7-1/16"	4"	Ceramic Band	Fig. B	2600	240/480
BR21899-5	CBE06N04J-00044	6-3/4"	4-1/2"	Ceramic Band	Fig. B	2600	240/480
BR21899-6	CBE08N04A-00146	8-3/4"	4"	Ceramic Band	Fig. B	3000	240/480
BR21899-7	CBE07B05J-01106	7-1/16"	5-1/2"	Ceramic Band	Fig. B	3500	240/480
BR21899-8	CBE00M04J-01107	9-11/16"	4-1/2"	Ceramic Band	Fig. B	3500	240/480
BR21899-9	CBE08E04A-00857	8-1/4"	4"	Ceramic Band	Fig. B	3000	240/480
BR21899-10	CBE10E05A-01108	10-1/4"	5"	Ceramic Band	Fig. B	5000	240/480
BR21899-11	CBE10E04A-01109	10-1/4"	4"	Ceramic Band	Fig. B	3500	240/480
BR21899-12	CBE11J05A-01110	11-1/2"	5"	Ceramic Band	Fig. B	5200	240/480
BR21899-14	CBE12J04J-01111	12-1/2"	4-1/2"	Ceramic Band	Fig. B	3500	240/480
BR21899-15	CBE14A04J-01112	14"	4-1/2"	Ceramic Band	Fig. B	4000	240/480
BR21899-16	CBE08E04J-01113	8-1/4"	4-1/2"	Ceramic Band	Fig. B	2500	240/480
BR21899-17	CBE05A02J-01114	5"	2-1/2"	Ceramic Band	Fig. B	1400	240/480
CR12202-1	FBE07B03J-03430	7-1/16"	3-1/2"	Mica Band	Fig. 9, T2	1200	240/480
CR12202-2	FBE07B03J03431	7-1/16"	3-1/2"	Mica Band	Fig. 9, T2	1350	240/480
CR12202-5	FBE06F03A-03432	6-5/16"	3"	Mica Band	Fig. 9, T2	1250	240/480
CR12202-10	FBE12J04A-03433	12-1/2"	4"	Mica Band	Fig. 9, T2	3000	240/480
CR12202-11	FBE12J03J-03434	12-1/2"	3-1/2"	Mica Band	Fig. 9, T2	3000	240/480
CR12202-12	FBE12J03J-03435	12-1/2"	3-1/2"	Mica Band	Fig. 9, T2	4000	240/480
CR12202-13	FBE09L03A-03436	9-5/8"	3"	Mica Band	Fig. 9, T2	2000	240/480
CR12202-16	FBE08E04A-03437	8-1/4"	4"	Mica Band	Fig. 9, T2	3000	240/480
CR12202-18	FBE10E04A-03438	10-1/4"	4"	Mica Band	Fig. 9, T2	3000	240/480

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

HUSKY							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
695511	MMT-150089-1608	105	89	Mighty - Tuff	5 meter Type A	1200	230
695512	MMT-150089-1609	105	89	Mighty - Tuff		1200	460
695513	MMT-150089-1610	105	89	Mighty - Tuff		1200	575
695507	MMT-150102-1611	105	102	Mighty - Tuff		1350	230
695508	MMT-150102-1612	105	102	Mighty - Tuff		1350	460
695509	MMT-150102-1613	105	102	Mighty - Tuff		1350	575
695553	MMT-105025-1614	105	25	Mighty - Tuff		300	230
695554	MMT-105025-1615	105	25	Mighty - Tuff		300	460
695555	MMT-105025-1616	105	25	Mighty - Tuff		300	575
695519	MMT-125114-1617	125	114	Mighty - Tuff		1800	230
695520	MMT-125114-1618	125	114	Mighty - Tuff		1800	460
695517	MMT-125114-1619	125	114	Mighty - Tuff		1800	575
695515	MMT-125127-1620	125	127	Mighty - Tuff		2000	230
695516	MMT-125127-1621	125	127	Mighty - Tuff		2000	460
695517	MMT-125127-1622	125	127	Mighty - Tuff		2000	575
695557	MMT-125025-1623	125	25	Mighty - Tuff		400	230
695558	MMT-125025-1624	125	25	Mighty - Tuff		400	460
695559	MMT-125025-1625	125	25	Mighty - Tuff		400	575
695527	MMT-150102-1626	150	102	Mighty - Tuff		1900	230
695528	MMT-150102-1627	150	102	Mighty - Tuff		1900	460
695529	MMT-150102-1628	150	102	Mighty - Tuff		1900	575
695523	MMT-150127-1629	150	127	Mighty - Tuff		2400	230
695524	MMT-150127-1630	150	127	Mighty - Tuff		2400	460
695525	MMT-150127-1631	150	127	Mighty - Tuff		2400	575
695562	MMT-150025-1632	150	25	Mighty - Tuff		500	230
695563	MMT-150025-1633	150	25	Mighty - Tuff		500	460
695565	MMT-150025-1634	150	25	Mighty - Tuff		500	575
695531	MMT-175127-1635	175	127	Mighty - Tuff		2800	230
695532	MMT-175127-1636	175	127	Mighty - Tuff		2800	460
695533	MMT-175127-1637	175	127	Mighty - Tuff		2800	575
695567	MMT-175038-1638	175	38	Mighty - Tuff		800	230
695568	MMT-175038-1639	175	38	Mighty - Tuff		800	460
695569	MMT-175038-1640	175	38	Mighty - Tuff		800	575
696505	MMT-212089-1641	212	89	Mighty - Tuff		2400	230
695697	MMT-212089-1642	212	89	Mighty - Tuff		2400	575
671436	MMT-212127-1643	212	127	Mighty - Tuff		3400	230
671301	MMT-212127-1644	212	127	Mighty - Tuff		3400	575
695698	MMT-212025-1645	212	25	Mighty - Tuff		700	230
695700	MMT-212025-1646	212	25	Mighty - Tuff		700	460
695701	MMT-212025-1647	212	25	Mighty - Tuff		700	575
695702	MMT-250114-1648	250	114	Mighty - Tuff	SG, Terminal Box	3600	230
695704	MMT-250114-1649	250	114	Mighty - Tuff		3600	575
663793	MMT-250127-1650	250	127	Mighty - Tuff		4000	230
664643	MMT-250127-1651	250	127	Mighty - Tuff		4000	575
695502	MMT-250064-1652	250	64	Mighty - Tuff		2000	230
695707	MMT-250064-1653	250	64	Mighty - Tuff		2000	575
658960	MMT-300102-1654	300	102	Mighty - Tuff		4800	230
664657	MMT-300102-1655	300	102	Mighty - Tuff		4800	575
658959	MMT-300127-1656	300	127	Mighty - Tuff		4800	230
664656	MMT-300127-1657	300	127	Mighty - Tuff		4800	575

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

HUSKY (continued)								
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts	
695501	MMT-300076-1658	300	76	Mighty - Tuff	SG, Terminal Box	2900	230	
695730	MMT-300076-1659	300	76	Mighty - Tuff		2900	575	
695740	MMT-320114-1660	320	114	Mighty - Tuff		4800	230	
695742	MMT-320114-1661	320	114	Mighty - Tuff		4800	575	
695744	MMT-320140-1662	320	140	Mighty - Tuff		5800	230	
695746	MMT-320140-1663	320	140	Mighty - Tuff		5800	575	
695732	MMT-350114-1664	350	114	Mighty - Tuff		5600	230	
695734	MMT-350114-1665	350	114	Mighty - Tuff		5600	575	
664669	MMT-350152-1666	350	152	Mighty - Tuff		6700	230	
664665	MMT-350152-1667	350	152	Mighty - Tuff		6700	575	
695736	MMT-350089-1668	350	89	Mighty - Tuff		3900	230	
695738	MMT-350089-1669	350	89	Mighty - Tuff		3900	575	
695719	MMT-340140-1670	340	140	Mighty - Tuff		6000	230	
695723	MMT-340140-1671	340	140	Mighty - Tuff		6000	575	
663491	MMT-340152-1672	340	152	Mighty - Tuff		6500	230	
695920	MMT-340152-1673	340	152	Mighty - Tuff		6500	575	
695712	MMT-425140-1674	425	140	Mighty - Tuff		7500	230	
695715	MMT-425140-1675	425	140	Mighty - Tuff		7500	575	
663490	MMT-425102-1676	425	102	Mighty - Tuff		5400	230	
695919	MMT-425102-1677	425	102	Mighty - Tuff		5400	575	
695450	MMT-425064-1678	425	64	Mighty - Tuff		3400	230	
695727	MMT-425064-1679	425	64	Mighty - Tuff		3400	575	
3831	CBM089076-00085	89	76	Mighty-Miser Ceramic Band		Fig. B	1200	240
3832	CBM133038-00086	133	38			Fig. B	900	240
4849	CBM140064-00006	140	64		Fig. B	1800	240	
4850	CBM102102-00087	102	102		Fig. B	1200	240	
8694	CBM102267-00088*	102	267		Fig. B	5000	240	
8835	CBM114267-00089*	114	267		Fig. B	5000	240	
8836	CBM114235-00090*	114	235		Fig. B	4500	240	
600648	CBM130274-00091*	130	274		Fig. B	5000	240	
600649	CBM154260-00092*	154	260		Fig. B	5000	240	
601546	CBM190090-00093	190	90		Fig. B	3750	240	
601731	CBM130254-00094*	130	254		Fig. B	6000	240	
605276	CBM170290-00114	170	290		Fig. B	3500	240	
608147	CBM190115-00095*	190	115		Fig. B	4800	240	
622152	CBM130190-00096*	130	190		Fig. B	4200	230	
622153	CBM130190-00097*	130	190		Fig. B	3300	240	
622154	CBM130260-00098*	130	260		Fig. B	5750	240	
622155	CBM130260-00099*	130	260		Fig. B	5000	230	
622157	CBM130330-00110	130	330		Fig. B	5500	240	
622158	CBM130395-00100*	130	395		Fig. B	8740	230	
622161	CBM145240-00101*	145	240		Fig. B	4500	240	
622374	CBM190254-00102*	190	254		Fig. B	6000	230	
622375	CBM190254-00103*	190	254		Fig. B	9000	230	
625007	CBM190115-00115	190	115		Fig. B	4800	460	
629569	CBM145240-00112	145	240		Fig. B	6500	460	
*Item includes probe hole								

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

HUSKY (continued)							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
634467	CBM128215-00109	128mm	215mm	Mighty-Miser Ceramic Band	Fig. B	5200	230
635134	CBM220120-00119	220mm	150mm		Fig. B	4145	230
636029	CBM220178-00120	220mm	178mm		Fig. B	4920	230
639584	CBM220140-00116	220mm	140mm		Fig. B	1355	230
639585	CBM120090-00107	120mm	90mm		Fig. B	1350	230
639673	CBM220089-00118	220mm	89mm		Fig. B	2460	230
643373	CBM220178-00121	220mm	178mm		Fig. B	7400	460
643375	CBM120090-00108	120mm	90mm		Fig. B	1400	460
643696	CBM120064-00106	120mm	64mm		Fig. B	1000	230
644470	CBM220150-00117	220mm	150mm		Fig. B	4500	230
649321	CBM05E02L-01308*	5-1/4"	2-5/8"		Fig. B	1100	460
649323	CBM16A05A-01314	16"	5"		Fig. B	6500	460
649324	CBM10A06J-01315	10"	6-1/2"		Fig. B	5400	460
649325	CBM08J02L-01309	8-1/2"	2-5/8"		Fig. B	2600	460
649333	CBM07A03L-01219	7"	3-5/8"		Fig. B	2100	460
649334	CBM07A04N-01310	7"	4-3/4"		Fig. B	2900	460
649335	CBM12A03N-01221	12"	3-3/4"		Fig. B	3700	460
649394	CBM05J04N-01312	5-1/2"	4-3/4"		Fig. B	3300	460
649396	CBM06J06A-01311	6-1/2"	6"		Fig. B	4300	460
649951	CBM140076-00111	140mm	76mm		Fig. B	1300	230
*Item includes probe hole							

INJECTION MOLDING AND EXTRUSION EQUIPMENT REPLACEMENT BAND HEATERS (continued)

REED PRENTICE							
OEM #	OGDEN #	I.D.	Width	Description	Catalog Figures	Watts	Volts
158900AD	FBE04N03A-03761	4-3/4"	3"	Mica Band	9, 17, T2	1100	240/480
158900B	FBE05A03A-03758	5"	3"	Mica Band	9, 17, T2	1200	240/480
159337A	FBE03N02J-03759	3-3/4"	2-1/2"	Mica Band	10, 17, T1	700	240/480
159337B	FBE06J02J-03760	6-1/2"	2-1/2"	Mica Band	10, 17, T1	1200	240/480
159337C	FBE04N02J-03570	4-3/4"	2-1/2"	Mica Band	10, 17, T1	900	240/480
RC132638A	FBE05J02A-03837	5-1/2"	2"	Mica Band	204" fig. 1, 6: fig. 3, 9	870	480
RC158899A	FBE06J02J-03838	6-1/2"	2-1/2"	Mica Band	144" fig. 1, 6" fig. 3, 9	1300	240
RC158899B	FBE06J02J-03850	6-1/2"	2-1/2"	Mica Band	144" fig. 1, 6" fig. 3, 9	1300	480
RC158899G	FBE06A02J-04160	6"	2-1/2"	Mica Band	144" fig. 1, 6" fig. 3, 9	1200	240
RC158899H	FBE06J02J-03851	6"	2-1/2"	Mica Band	144" fig. 1, 6" fig. 3, 9	1200	480
RC159008F	FBE04N02A-03852	4-3/4"	2"	Mica Band	144" fig. 1, 6" fig. 3, 9	700	480
RC159088BS	FBE04J02A-03853	4-1/2"	2"	Mica Band	144" fig. 1, 6" fig. 3, 9	650	480
RC159088C	FBE01N02A-03854	1-3/4"	2"	Mica Band	144" fig. 1, 9	300	240
RC159088CH	FBE01N02A-03855	1-3/4"	2"	Mica Band	240: fig. 1, 9	300	240
RC159088D	FBE01N02A-03856	1-3/4"	2"	Mica Band	144" fig. 1, 9	300	480
RC189089DG	FBE11J03A-04163	11-1/2"	3"	Mica Band	144" fig. 1, 6" fig. 3, 9	2850	240
RC159089E	FBE07J03A-03857	7-1/2"	3"	Mica Band	144" fig. 1, 6" fig. 3, 9	1400	480
RC159089L	FBE07J03A-03858	7-1/2"	3"	Mica Band	144" fig. 1, 9	1400	480
RC159089M	FBE08J03A-03859	8-1/2"	3"	Mica Band	144" fig. 1, 6" fig. 3, 9	1700	480
RD17753C	HBE04R02A-04159	4-7/8"	2"	Mica Band	10, 4, T2	325*	240*
RD128613	HBE06A03A-01864	6"	3"	Mica Band	9, 14, T2	700*	240*
RD129890	HBE04R02A-03776	4-7/8"	2"	Mica Band	10, 14, T2	380*	240*
RD132322	HBE07A03A-03777	7"	3"	Mica Band	9, 14, T2	825*	240*
RD132327	HBE08N03A-03778	8-3/4"	3"	Mica Band	9, 14, T2	1000*	240*
RD132636	HBE10E03A-03839	10-1/4"	3"	Mica Band	9, 14, T2	1200*	240*
RD158900AE	FBE08N03A-03840	8-3/4"	3"	Mica Band	9, 17, T1	2000	480
RD158900BW	FBE10E03A-03841	10-1/4"	3"	Mica Band	9, 17, T1	2400	480
RD158900F	FBE11A03A-03842	11"	3"	Mica Band	9, 17, T1	2600	480
ZE600412FC	FBE04C03A-04158	4-1/8"	3"	Mica Band	9, 17, T1	900	240/480
ZE600475CB	FBE04N02A-03843	4-3/4"	2"	Mica Band	10, 17, T1	700	240/480
ZE600475FD	FBE04N03A-03844	4-3/4"	3"	Mica Band	9, 17, T2	1100	240/480
ZE600600FF	FBE06A03A-03845	6"	3"	Mica Band	9, 17, T2	1400	240/480
ZE600700EG	FBE07A02J-04161	7"	2-1/2"	Mica Band	9, 17, T2	1650	240/480
ZE600700FG	FBE07A03A-03846	7"	3"	Mica Band	9, 17, T2	1650	240/480
ZE600800FJ	FBE08A03A-03847	8"	3"	Mica Band	9, 17, T2	1900	240/480
ZE600875FK	FBE08N03A-03848	8-3/4"	3"	Mica Band	9, 17, T2	2000	240/480
ZE600975FM	FBE09N03A-04162	9-3/4"	3"	Mica Band	9, 17, T2	2600	240/480
ZE601025FL	FBE10E03A-03849	10-1/4"	3"	Mica Band	9, 17, T2	2400	240/480

*Indicates Wattage and Voltage each half

RUNNERLESS MOLDING SYSTEM REPLACEMENT CARTRIDGE HEATERS

INCOE						
Dimensions		Watts @ 240 volts	Without Thermocouple		With Thermocouple	
Dia	Length		OEM #	OGDEN #	OEM #	OGDEN #
3/8"	1-1/2"	200	H-38015	MXEG01J0023*	TJ-38015	MXEG01J0022
3/8"	1-3/4"	200	H-38017	MXEG01N0030*	TJ-38017	MXEG01N0032
3/8"	2"	250	H-38020	MXEG02A0048	TJ-38020	MXEG02A0047
3/8"	2-1/2"	250	H-38025	MXEG02J0075*	TJ-38025	MXEG02J0074
3/8"	3"	260	H-38030	MXEG03A0096	TJ-38030	MXEG03A0097
3/8"	3-1/2"	320	H-38035	MXEG03J0116	TJ-38035	MXEG03J0115
3/8"	4"	370	H-38040	MXEG04A0135	TJ-38040	MXEG04A0432
3/8"	4-1/2"	420	H-38045	MXEG04J0148	TJ-38045	MXEG04J0149
3/8"	5"	470	H-38050	MXEG05A0163	TJ-38050	MXEG05A0471
3/8"	5-1/2"	525	H-38055	MXEG05J0862	TJ-38055	MXEG05J0171
3/8"	6"	575	H-38060	MXEG06A0185	TJ-38060	MXEG06A0184
3/8"	6-1/2"	625	H-38065	MXEG06J1660	TJ-38065	MXEG06J0192
3/8"	7"	675	H-38070	MXEG07A0201	TJ-38070	MXEG07A0692
3/8"	7-1/2"	725	H-38075	MXEG07J0705	TJ-38075	MXEG07J1863
3/8"	8"	775	H-38080	MXEG08A0218	TJ-38080	MXEG08A0219
3/8"	8-1/2"	835	H-38085	MXEG08J0765	TJ-38085	MXEG08J0764
3/8"	9"	885	H-38090	MXEG09A0222	TJ-38090	MXEG09A0753
3/8"	9-1/2"	940	H-38095	MXEG09J0723	TJ-38095	MXEG09J0724
3/8"	10"	990	H-38100	MXEG10A1497	TJ-38100	MXEG10A0228
1/2"	3-1/2"	420	H-12035	MXEJ03J0064	TJ-12035	MXEJ03J0065
1/2"	4"	490	H-12040	MXEJ04A0081	TJ-12040	MXEJ04A1563
1/2"	4-1/2"	550	H-12045	MXEJ04J1028	TJ-12045	MXEJ04J1026
1/2"	5"	625	H-12050	MXEJ05A0102	TJ-12050	MXEJ05A1564
1/2"	5-1/2"	700	H-12055	MXEJ05J0111	TJ-12055	MXEJ05J0110
1/2"	6"	775	H-12060	MXEJ06A0127	TJ-12060	MXEJ06A0396
1/2"	6-1/2"	850	H-12065	MXEJ06J0363	TJ-12065	MXEJ06J1565
1/2"	7"	900	H-12070	MXEJ07A0141	TJ-12070	MXEJ07A0140
1/2"	7-1/2"	975	H-12075	MXEJ07J1566	TJ-12075	MXEJ07J0408
1/2"	8"	1050	H-12080	MXEJ08A0158	TJ-12080	MXEJ08A1567
1/2"	8-1/2"	1100	H-12085	MXEJ08J0166	TJ-12085	MXEJ08J1568
1/2"	9"	1200	H-12090	MXEJ09A0171	TJ-12090	MXEJ09A0317
1/2"	9-1/2"	1250	H-12095	MXEJ09J0324	TJ-12095	MXEJ09J0314
1/2"	10"	1325	H-12100	MXEJ10A0308	TJ-12100	MXEJ10A0180
1/2"	10-1/2"	1400	H-12105	MXEJ10J0185	TJ-12105	MXEJ10J1569
1/2"	11-1/2"	1525	H-12115	MXEJ11J0189	TJ-12115	MXEJ11J1570
1/2"	12-1/2"	1675	H-12125	MXEJ12J0197	TJ-12125	MXEJ12J1571
1/2"	13-1/2"	1800	H-12135	MXEJ13J0641	TJ-12135	MXEJ13J1572
1/2"	14-1/2"	1950	H-12145	MXEJ14J0508	TJ-12145	MXEJ14J0509
1/2"	15-1/2"	2100	H-12155	MXEJ15J0483	TJ-12155	MXEJ15J1573
1/2"	16-1/2"	2200	H-12165	MXEJ16J0204	TJ-12165	MXEJ16J1574
1/2"	17-1/2"	2350	H-12175	MXEJ17J1575	TJ-12175	MXEJ17J0561
1/2"	18-1/2"	2500	H-12185	MXEJ18J0558	TJ-12185	MXEJ18J1576
1/2"	19-1/2"	2875	H-12195	MXEJ19J0206	TJ-12195	MXEJ19J1577

* In stock with 24" leads

RUNNERLESS MOLDING SYSTEM REPLACEMENT CARTRIDGE HEATERS (continued)

DME					
OEM #	OGDEN #	DIAMETER	LENGTH	WATTS	VOLTS
Probe Heaters with Built-in Thermocouple, 36" Leads, and Wattage Distribution					
AFTC-202-2	MXEE02A0324	1/4"	2"	200	240
AFTC-203-2	MXEE02R0037	1/4"	2-7/8"	300	240
AFTC-204-2	MXEE04A0052	1/4"	4"	375	240
AFTC-205-2	MXEE05A0059	1/4"	5"	475	240
AFTC-213-2	MXEE03E0432	1/4"	3"	150	240
AFTC-214-2	MXEE03N1639	1/4"	3-3/4"	220	240
AFTC-215-2	MXEE04N0086	1/4"	4-3/4"	275	240
AFTC-216-2	MXEE05N0182	1/4"	5-3/4"	350	240
AFTC-3272-2	MXEE07C1865	3/8"	7.15"	645	240
AFTC-328-2	MXEE08C1866	3/8"	8.15"	760	240
AFTC-329-2	MXEE09C1867	3/8"	9.15"	870	240
AFTC-3210-2	MXEE10C1868	3/8"	10.15"	980	240
Probe Heaters without Thermocouple, with 36" Leads, and Wattage Distribution					
AFC-202-2	MXEE02A0028	1/4"	2"	200	240
AFC-203-2	MXEE03A1640	1/4"	3"	300	240
AFC-204-2	MXEE04A0094	1/4"	4"	375	240
AFC-205-2	MXEE05A1641	1/4"	5"	475	240
AFC-213-2	MXEE03A1642	1/4"	3"	150	240
AFC-214-2	MXEE03N1643	1/4"	3-3/4"	220	240
AFC-215-2	MXEE04N1644	1/4"	4-3/4"	275	240
AFC-216-2	MXEE05N1645	1/4"	5-3/4"	350	240
Hot Sprue Heaters with Thermocouple and 36" Leads					
HBTC-202-2	MXEE02J1737	1/4"	2-1/2"	200	240
HBTC-203-2	MXEE03N1738	1/4"	3-3/4"	300	240
Hot Sprue Heaters without Thermocouple, with 12" Leads					
HBC-202-2	MXEE02J0395	1/4"	2-1/2"	200	240
HBC-203-3	MXEE03N1733	1/4"	3-3/4"	300	240
Distributor Tube Heaters with Buile-in Thermocouple, 36" Leads, and Wattage Distribution					
HCTC-03-4	MXEG04A2071	3/8"	4"	320	240
HCTC-03-45	MXEG04J2072	3/8"	4-1/2"	340	240
HCTC-03-5	MXEG05A2073	3/8"	5"	400	240
HCTC-03-55	MXEG05J2074	3/8"	5-1/2"	430	240
HCTC-03-6	MXEG06A2075	3/8"	6"	450	240
HCTC-03-65	MXEG06J2076	3/8"	6-1/2"	470	240
HCTC-03-7	MXEG07A2077	3/8"	7"	480	240
HCTC-03-75	MXEG07J2078	3/8"	7-1/2"	515	240
HCTC-03-8	MXEG08A2079	3/8"	8"	550	240
HCTC-03-9	MXEG09A2080	3/8"	9"	650	240
HCTC-03-10	MXEG10A2081	3/8"	10"	710	240
HCTC-03-11	MXEG11A2082	3/8"	11"	720	240
HCTC-03-12	MXEG12A2083	3/8"	12"	760	240
HCTC-03-13	MXEG13A2084	3/8"	13"	810	240
HCTC-04-4	MWEJ04A1579	1/2"	4"	380	240
HCTC-04-5	MWEJ05A1580	1/2"	5"	500	240
HCTC-04-6	MWEJ06A1581	1/2"	6"	600	240

RUNNERLESS MOLDING SYSTEM REPLACEMENT CARTRIDGE HEATERS (continued)

DME (continued)					
OEM #	OGDEN #	DIAMETER	LENGTH	WATTS	VOLTS
Distributor Tube Heaters with Built-in Thermocouple, 36" Leads, and Wattage Distribution (continued)					
HCTC-04-7	MWEJ07A1582	1/2"	7"	700	240
HCTC-04-8	MWEJ08A0256	1/2"	8"	820	240
HCTC-04-9	MWEJ09A1583	1/2"	9"	920	240
HCTC-04-10	MWEJ10A1181	1/2"	10"	1030	240
HCTC-04-11	MWEJ11A1584	1/2"	11"	1140	240
HCTC-04-12	MWEJ12A1174	1/2"	12"	1250	240
HCTC-04-13	MWEJ13A1585	1/2"	13"	1350	240
HCTC-04-14	MWEJ14A1331	1/2"	14"	1460	240
HCTC-04-15	MWEJ15A0201	1/2"	15"	1570	240
HCTC-04-16	MWEJ16A0586	1/2"	16"	1680	240
HCTC-04-17	MWEJ17A1587	1/2"	17"	1780	240
HCTC-04-18	MWEJ18A1588	1/2"	18"	1900	240
HCTC-04-19	MWEJ19A1589	1/2"	19"	2010	240
HCTC-04-20	MWEJ20A1590	1/2"	20"	2110	240
HCTC-04-21	MWEJ21A1591	1/2"	21"	2220	240
HCTC-04-22	MWEJ22A1592	1/2"	22"	2330	240
HCTC-04-23	MWEJ23A1593	1/2"	23"	2400	240
HCTC-04-24	MWEJ24A0536	1/2"	24"	2400	240
HCTC-04-25	MWEJ25A1594	1/2"	25"	2400	240
HCTC-04-26	MWEJ26A1595	1/2"	26"	2400	240
HCTC-04-27	MWEJ27A1596	1/2"	27"	2400	240
HCTC-04-28	MWEJ28A1597	1/2"	28"	2400	240
HCTC-04-29	MWEJ29A1598	1/2"	29"	2400	240
HCTC-04-30	MWEJ30A1069	1/2"	30"	2400	240
HCTC-05-5	MWEL051069	5/8"	5"	620	240
HCTC-05-6	MWEL061070	5/8"	6"	750	240
HCTC-05-7	MWEL071071	5/8"	7"	880	240
HCTC-05-8	MWEL080264	5/8"	8"	1020	240
HCTC-05-9	MWEL091072	5/8"	9"	1160	240
HCTC-05-10	MWEL100284	5/8"	10"	1300	240
HCTC-05-11	MWEL111073	5/8"	11"	1430	240
HCTC-05-12	MWEL120095	5/8"	12"	1570	240
HCTC-05-13	MWEL131080	5/8"	13"	1700	240
HCTC-05-14	MWEL141081	5/8"	14"	1840	240
HCTC-05-15	MWEL150438	5/8"	15"	1980	240
HCTC-05-16	MWEL160391	5/8"	16"	2110	240
HCTC-05-17	MWEL170341	5/8"	17"	2250	240
HCTC-05-18	MWEL180317	5/8"	18"	2390	240
HCTC-05-19	MWEL191082	5/8"	19"	2520	240
HCTC-05-20	MWEL201083	5/8"	20"	2660	240
HCTC-05-21	MWEL211084	5/8"	21"	2800	240
HCTC-05-22	MWEL221085	5/8"	22"	2930	240
HCTC-05-23	MWEL230378	5/8"	23"	3070	240
HCTC-05-24	MWEL241086	5/8"	24"	3200	240
HCTC-05-26	MWEL261088	5/8"	26"	3620	240
HCTC-05-28	MWEL280357	5/8"	28"	3750	240
HCTC-05-30	MWEL301091	5/8"	30"	4020	240
HCTC-05-32	MWEL321093	5/8"	32"	4300	240
HCTC-05-34	MWEL341095	5/8"	34"	4570	240
HCTC-05-36	MWEL361097	5/8"	36"	4840	240

Limited Warranty:

Please refer to the Chromalox limited warranty applicable to this product at <http://www.chromalox.com/customer-service/policies/termsofsale.aspx>.

