



Immersion Heaters

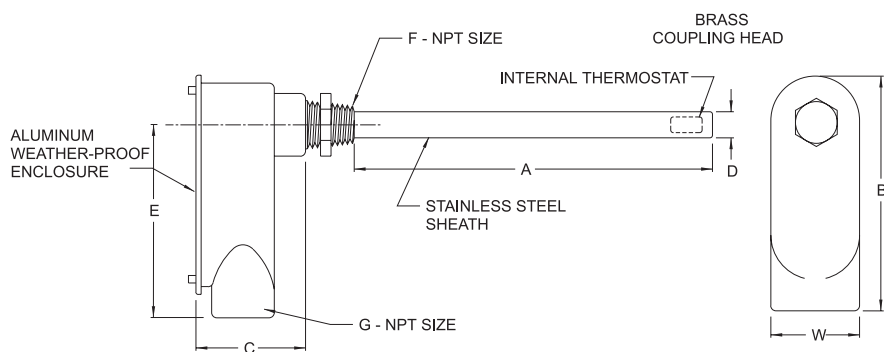


Features

- Keeps oil at 60° to 70° F.
- Automatic built-in fixed setting thermostat normally closed
- Will not burn oil
- UL recognized and CSA certified
- Weatherproof wiring enclosure (NEMA 4)

Notes

1. Heaters must be mounted horizontally and immersed at all times.
2. Heaters over 10 amps, 480 volt, or three phase, must be used with a contactor. See instruction sheet.
3. Three phase available on ET 8 models.
Add -3 to the model number. Example: ET 8-2502-3.
4. For tanks larger then 500 gallon use multiple heaters or consult factory for information on higher wattage heaters.
5. Amps = Watts ÷ Volts for single phase.
6. Amps = Watts ÷ (Volts x 1.73) for three phase.



Vescor Part Number	Reservoir Size - Gals	Wattage	Volts	NPT	Size		Dimensions				
				F	G	A	B	C	D	E	W
ET 2-121	up to 10	125	120	½"	½"	7"	4.5"	2.2"	.62"	3.6"	1.3"
ET 2-251	up to 25	250	120	½"	½"	8"	4.5"	2.2"	.62"	3.6"	1.3"
ET 2-252	up to 25	250	240	½"	½"	8"	4.5"	2.2"	.62"	3.6"	1.3"
ET 3-501	25-50	500	120	¾"	¾"	12.6"	5.1"	2.5"	.75"	4.1"	1.5"
ET 3-502	25-50	500	240	¾"	¾"	12.6"	5.1"	2.5"	.75"	4.1"	1.5"
ET 3-504	25-50	500	480	¾"	¾"	12.6"	5.1"	2.5"	.75"	4.1"	1.5"
ET 3-1001	50-100	1000	120	¾"	¾"	22.6"	5.1"	2.5"	.75"	4.1"	1.5"
ET 3-1002	50-100	1000	240	¾"	¾"	22.6"	5.1"	2.5"	.75"	4.1"	1.5"
ET 3-1004	50-100	1000	480	¾"	¾"	22.6"	5.1"	2.5"	.75"	4.1"	1.5"
ET 8-2502	100-250	2500	240	2"	1¼"	23"	8.2"	3.7"	1.9"	6.7"	2.8"
ET 8-2504	100-250	2500	480	2"	1¼"	23"	8.2"	3.7"	1.9"	6.7"	2.8"
ET 8-5002	250-500	5000	240	2"	1¼"	44"	8.2"	3.7"	1.9"	6.7"	2.8"
ET 8-5004	250-500	5000	480	2"	1¼"	44"	8.2"	3.7"	1.9"	6.7"	2.8"

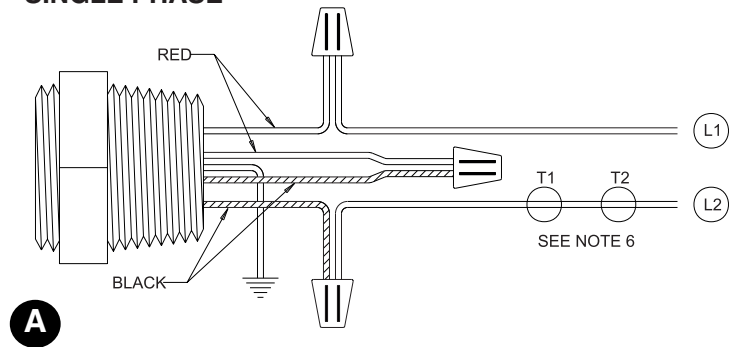
NOTE: WITH VESCORS' POLICY OF CONSTANTLY IMPROVING ITS PRODUCTS, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

INSTALLATION AND WIRING INSTRUCTIONS FOR ET HYDRAULIC OIL HEATERS

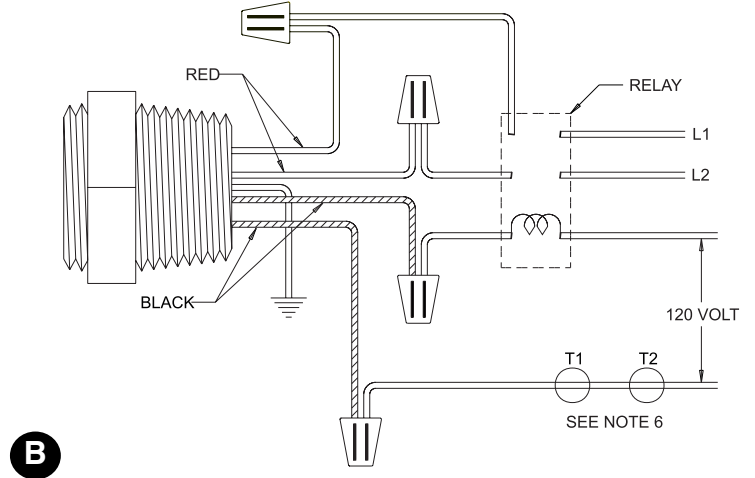
1. MUST BE IMMERSED AT ALL TIMES
2. MOUNT HORIZONTALLY ONLY
3. OPERATE ON RATED VOLTAGE -
HEATERS ARE NOT DUAL VOLTAGE
4. USE ON A.C. ONLY
5. LEAD WIRES ARE COLOR CODED -
HEATER LEADS ARE RED
THERMOSTAT LEADS ARE BLACK
6. T-60 AMBIENT AIR THERMOSTAT
(OPTIONAL) SET TO CLOSE AT
40°F TO BE WIRED INTO CIRCUIT
AT POINTS T₁ AND T₂
SEE DIAGRAM D
7. ABOVE 10 AMP DRAW OR 480V OR 3 PHASE
USE A RELAY - SEE DIAGRAM B OR C
8. TO CALCULATE AMPERAGE DRAW:

SINGLE PHASE	THREE PHASE
$\text{AMPS} = \frac{\text{WATTAGE}}{\text{VOLTS}}$	$\text{AMPS} = \frac{\text{WATTAGE}}{\text{VOLTS} \times 1.73}$

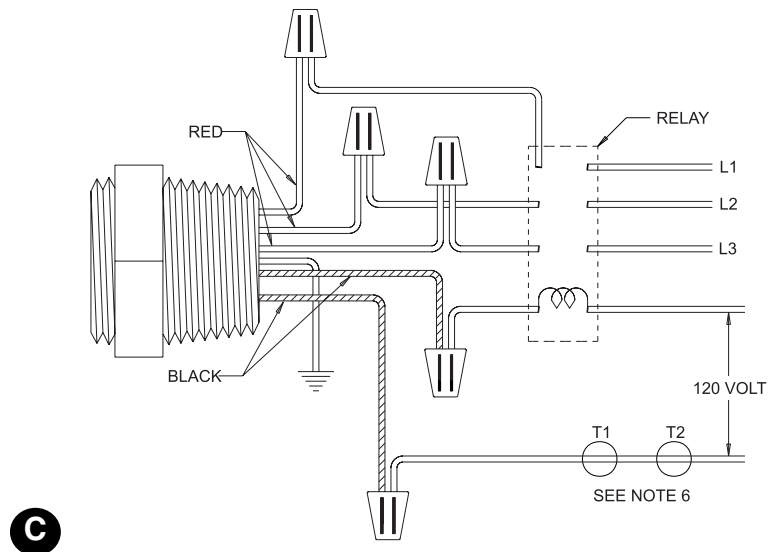
120 or 240 VOLT SINGLE PHASE



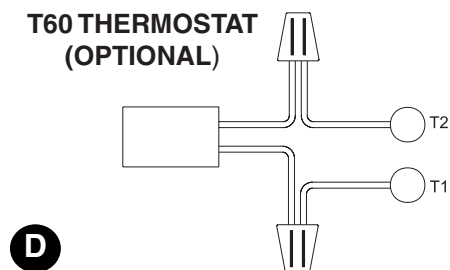
120 or 240 VOLT (Above 10 Amps) 1 PHASE or 480 VOLT 1 PHASE



240 or 480 VOLT 3 PHASE



T60 THERMOSTAT (OPTIONAL)



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