



HVAC/R & PLUMBING EQUIPMENT

CATALOG

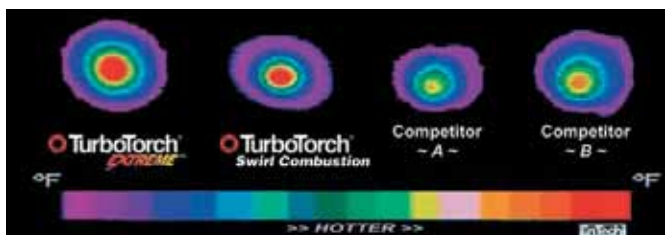


- Extreme™ Air Acetylene Equipment
- Swirl Combustion Air Acetylene Equipment
- Extreme MAP-Pro™ & Propane Equipment
- Proline® MAP-Pro & Propane Equipment
- Oxy-Acetylene Outfits and Components
- Plasma Cutters
- Welding Equipment
- Accessories
- Cylinders



THE MOST DEMANDED TORCH IN THE MARKET TODAY

Since 1967, TurboTorch® (a Thermadyne® company) has set the highest standard for manufacturers of air fuel equipment. We've maintained this level of leadership by continually improving our torches with advanced flame technologies. Tests prove that our most recent innovation, the Extreme® series, is the hottest torch in the market today – up to 40% hotter than competitive torches. The Extreme series torches reduce labor time and fuel consumption. Look for the benefit of technology in our air acetylene, MAP-Pro™ and Propane torches, kits, and replacement tips.



THE LEADER IN GAS EQUIPMENT

Just as TurboTorch is the most requested brand name in the Plumbing and HVAC-R industries for air fuel equipment, Victor dominates as the most demanded product in oxy acetylene gas equipment. For the first time, the TurboTorch catalog features an extended offering of genuine Victor gas equipment including outfits, handles, cutting attachments, tips and nozzles. Combining these products into one catalog enables you to consolidate all of your welding, cutting, brazing purchases from one source.



VICTOR *Tweco* **THERMAL DYNAMICS** *Arcair* **THERMAL ARC** **STOODY**










TECHNICAL TRAINING – THE TURBOTORCH ADVANTAGE

Technical Training – The TurboTorch advantage TurboTorch supports the professional technician with the most comprehensive training program in the industry. TurboTorch fields a team of over 200 factory trained reps with an average of 20 years experience. Programs combine classroom demonstrations with hands-on training in the latest soldering, brazing and welding techniques . . . all with a special focus on safety.

* Many of our TurboTorch branded products are tested and certified by independent, accredited agencies including UL and ETL.



**CONTACT OUR CUSTOMER CARE TEAM FOR THE NAME AND NUMBER OF THE TURBOTORCH
SALES REPRESENTATIVE IN YOUR AREA.**

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Oxy Acetylene

OUTFITS

WELDING, CUTTING AND BRAZING OUTFITS

TurboTorch® outfits are manufactured by Victor®, the most recognized name in Gas Equipment. The outfits are available in several configurations designed for a variety of oxy-fuel welding and cutting applications. The new tote design features an ergonomic carrying handle, built-in storage case and a functional balanced design. Each outfit includes the components needed to tackle jobs from light duty welding, to specialized brazing, to cutting steel. Victor's commitment to quality and safety are built into the TurboTorch outfits.

CUTSKILL® - CST SERIES LIGHT DUTY - OXY FUEL

This series of outfits is designed for Light Duty Cutting, Brazing and Heating jobs. All outfits include Oxygen Regulator **221-05FP**, Fuel Regulator **201-05FP**, 12.5' Dual "A" 3/16 hose **252-03P**, goggles, check valves and a striker. Refer to the following chart for additional components.



CST-PT
(0386-1321)



CST-CM
(0386-1324)

KEY APPLICATIONS

HVAC

REFRIGERATION

PLUMBING

Part No. Model	0386-1320 CST-P	0386-1321 CST-PT	0386-1322 CST-CP	0386-1323 CST-CPT	0386-1324 CST-CM	0386-1325 CST-150C	0386-1326 CST-150
Handle	103-01FP	103-01FP	103-01FP	103-01FP	103-01FP	103-01FP	103-01FP
Cutting Attachment	—	—	CA1260	CA1260	CA1260	CA1260	CA1260
Cutting Tip	—	—	O-3-101	O-3-101	O-3-101	O-3-101	O-3-101
Nozzles	O-W-J, 2-W-J	O-W-J, 2-W-J	O-W-J, 2-W-J	O-W-J, 2-W-J	O-W-J, 2-W-J	O-W-J, 2-W-J	O-W-J, 2-W-J
Tank Key	—	0386-1226	—	0386-1226	—	—	—
Case	1421-0084	1421-0084	1421-0084	1421-0084	Red Metal	—	—
Oxy Cylinder	—	Type "R" 20 cu ft	—	Type "R" 20 cu ft	—	—	—
Fuel Cylinder	—	Type "MC" 10 cu ft	—	Type "MC" 10 cu ft	—	—	—

REPLACEMENT GAUGES

Colored Gauges		White Gauges	
Description	Part No.	Description	Part No.
Acetylene Delivery (red)	1424-0431	Acetylene delivery (White)	1424-0405
Acetylene Cylinder (red)	1424-0432	Acetylene cylinder (White)	1424-0407
Oxygen Delivery (green)	1424-0433	Oxygen delivery (White)	1424-0408
Oxygen Cylinder (green)	1424-0434	Oxygen cylinder (White)	1424-0406

U.S. Customer Care: 800-238-0282 / FAX 800-535-0557

TURBOTORCH® – TTV-J SERIES LIGHT DUTY – OXY FUEL & AIR FUEL

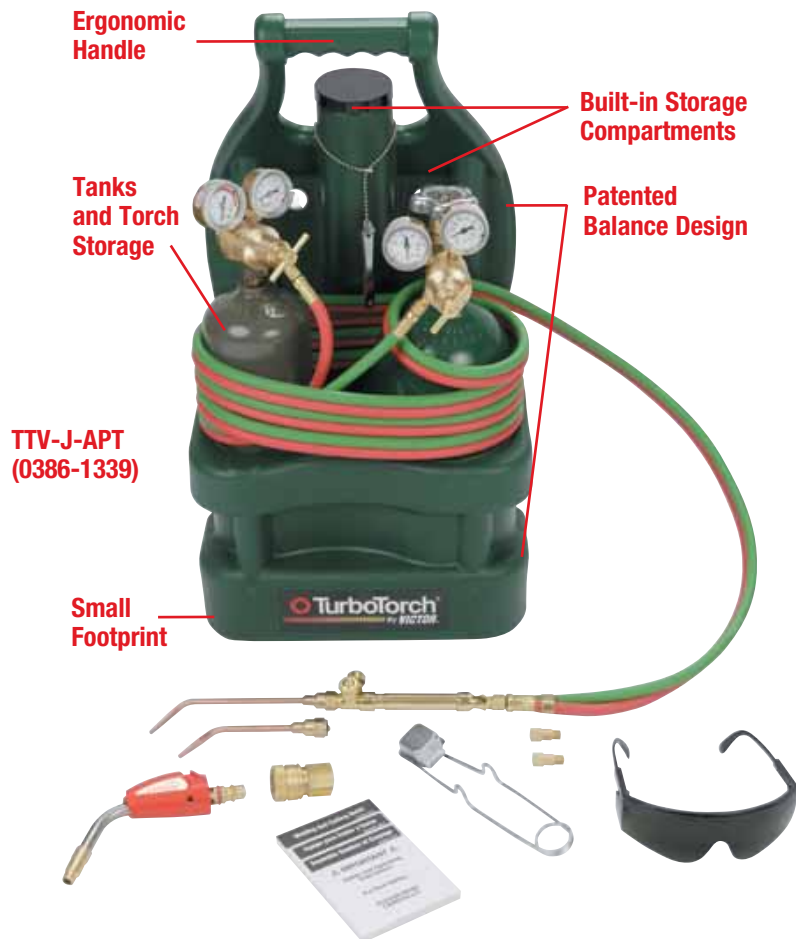
This series of outfits is designed for Light Duty Cutting, Brazing and Heating jobs. All outfits include Oxy Regulator **221-05FP**, Fuel Regulator **201-05FP**, 12.5' Dual "A" 3/16 hose **252-03P**, glasses and a striker. Refer to the following chart for additional components.

KEY APPLICATIONS

HVAC

REFRIGERATION

PLUMBING



Part No. Model	0386-1338 TTV-J-AP	0386-1339 TTV-J-APT	0386-1345 TTV-J-ACP	0386-1346 TTV-J-ACPT
Handle	103-01FP	103-01FP	103-01FP	103-01FP
Cutting Attachment	—	—	CA1260	CA1260
Cutting Tip	—	—	0-3-101	0-3-101
Nozzles	2-W-J, 4-W-J	2-W-J, 4-W-J	00-W-J, 1-W-J	00-W-J, 1-W-J
Heating Tip	—	—	3-W-J	3-W-J
Air Fuel Tip	PL8-A	PL8-A	PL8-A	PL8-A
Tank Key	—	0386-1226	—	0386-1226
Adapter	0386-1231	0386-1231	0386-1231	0386-1231
Check Valves	yes	yes	yes	yes
Tote Case	0386-1241	0386-1241	0386-1241	0386-1241
Oxy Cylinder	—	Type "R" 20 cu ft	—	Type "R" 20 cu ft
Fuel Cylinder	—	Type "MC" 10 cu ft	—	Type "MC" 10 cu ft

Oxy Acetylene

OUTFITS

TURBOTORCH® - TTV-100 SERIES MEDIUM DUTY - OXY FUEL & AIR FUEL

This series of outfits is designed for Medium Duty Cutting, Brazing and Heating jobs. All outfits include Oxygen Regulator **221-05FP**, Fuel Regulator **201-05FP**, 12.5' Dual "A" 3/16 hose **252-03P**, glasses and a striker. Refer to the following chart for additional components.

KEY APPLICATIONS

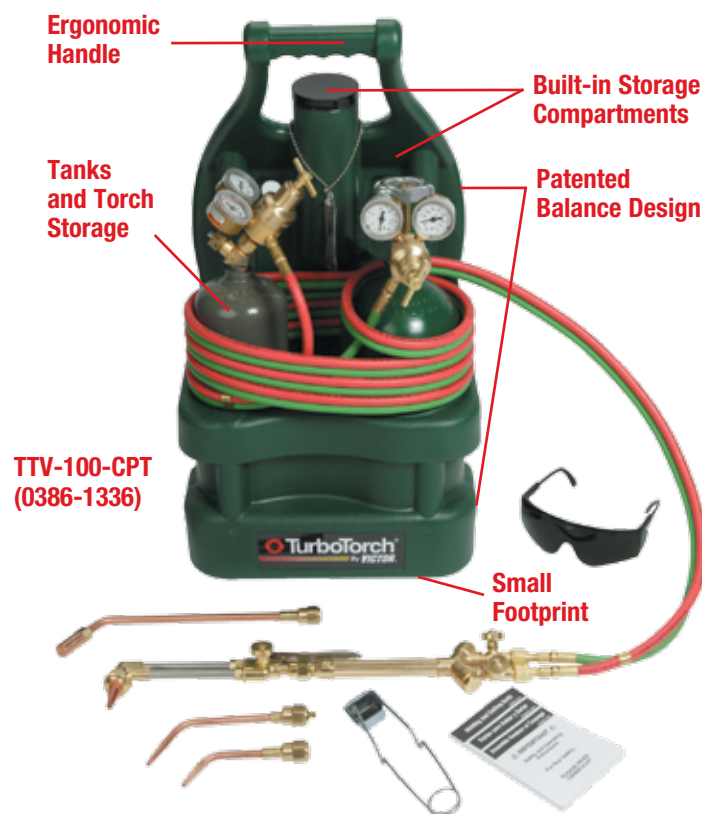
HVAC

REFRIGERATION

MAINTENANCE
AND REPAIR

Part No. Model	0386-1335 TTV-100-CP	0386-1336 TTV-100-CPT
Handle	101-01FP	101-01FP
Cutting Attachment	151-01FP	151-01FP
Cutting Tip	1-3-101	1-3-101
Nozzles	0-W-1, 2-W-1	0-W-1, 2-W-1
Heating Tip	VMA-1-15	VMA-1-15
Tank Key	—	0386-1226
Adapter	B to A	B to A
Check Valves	Built-in	Built-in
Tote Case	0386-1241	0386-1241
Oxy Cylinder	—	Type "R" 20 cu ft
Fuel Cylinder	—	Type "M" 10 cu ft

Note: B to A Adapter includes: OXY (RH thread) 0950-0115
FUEL (LH thread) 0960-0052



Performer®

This medium duty outfit cuts up to 1/2" (12.7 mm) or 6" (152.4 mm) with optional tips. It welds up to 1/4" (6.4 mm) or 1.25" (31.8 mm) with optional nozzles.

- ESS3 Series regulators
- 100FC torch handle with built-in flashback arrestors and check valves
- CA 1350 cutting attachment
- MFA-1 heating nozzle, size: 4
- W-1 welding nozzle, size: 0
- 0-3-101 cutting tip
- T-grade hose 12.5' x 3/16" (3.8 m x 4.8 mm)
- Striker and tip cleaner
- Soft-sided shade 5 goggles

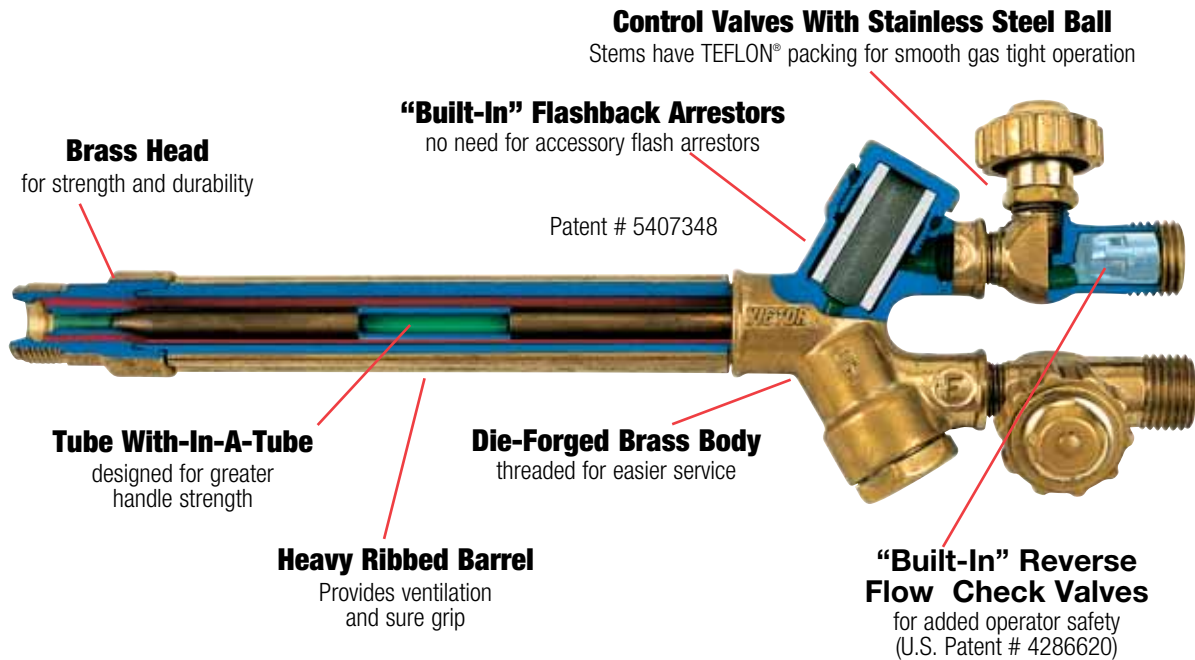


Part No.	Torch Handle	Welding Nozzle	Cutting Attachment	Cutting Tip	Heating Nozzle	Oxygen Regulators	Fuel Gas Regulator
0384-2045	100FC	(W-1) 0	CA 1350	0-3-101	(MFA-1) 4	ESS3-125-540	ESS3-15-510
0384-2046	100FC	(W-1) 0	CA 1350	0-3-101	(MFA-1) 4	ESS3-125-540	ESS3-15-300

U.S. Customer Care: 800-238-0282 / FAX 800-535-0557

TORCH HANDLES DESIGN & CONSTRUCTION

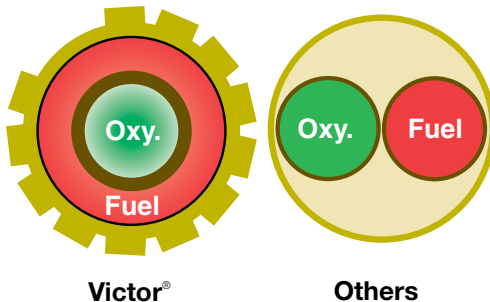
Victor® torch handles cover the full range of welding, cutting and heating needs. Performance matched cutting attachments are available for each torch handle series. Handles include built-in flashback arrestors and reverse flow check valves.



Rugged, Efficient Design - Threaded Assembly for Ease of Service

Victor® Tube-Within-A-Tube Design

Victor torch handles have greater wall thickness than other designs.



Victor torch handles give you twice the value.

Each torch handle is designed and built to withstand rugged job site conditions and Victor's threaded assembly design lets you replace parts quickly and economically.

Performance proven Tube-Within-A-Tube design.

Victor torch handles include one oxygen tube within a massive, heavy ribbed handle which also serves as the gas tube. The result is greater strength and durability plus a reduction in overall size and weight to reduce operator fatigue and increase cutting performance.

Oxy Acetylene

COMPONENTS

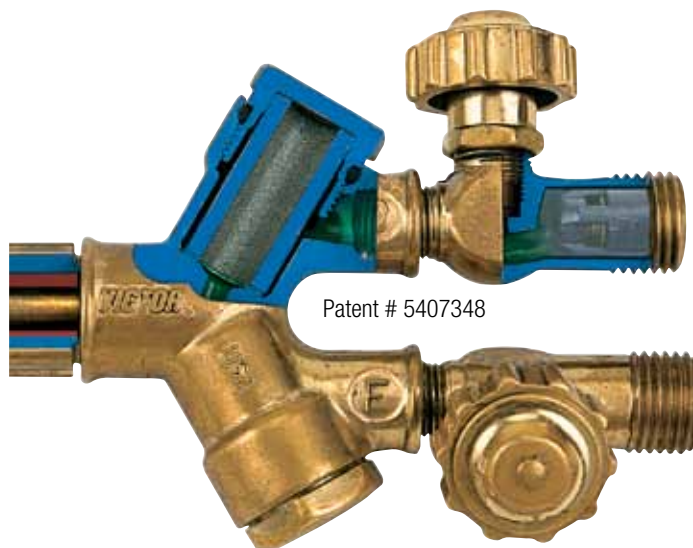
TORCH HANDLES

A NEW DIMENSION IN OPERATOR SAFETY!

Victor® Torch Handles are available with the following safety features:

- Built-In Flashback Arrestors - on most models, see chart below
- Built-in Reverse Flow Check Valves
- Works with all fuel gases. There are pressure restrictions for different gases

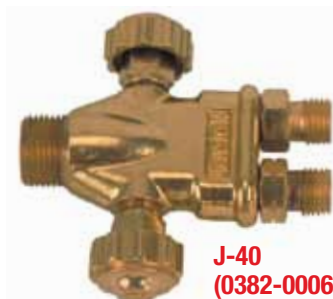
Victor Torch Handles are offered in Heavy-Duty (315FC) and Medium-Duty (100FC) models, and also feature Victor Traditional threaded assemblies for quick economical repair if service is necessary.



101 FP
(0386-0310)



103-01 FP
(0386-0311)

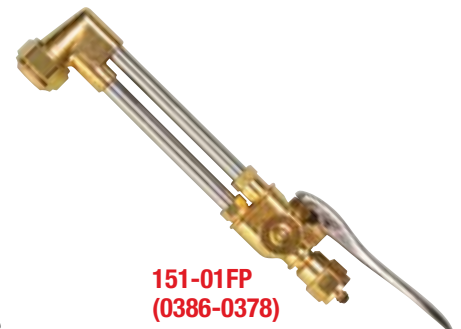
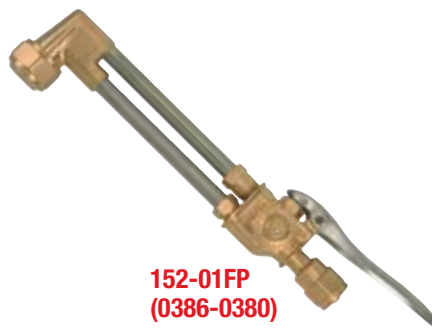
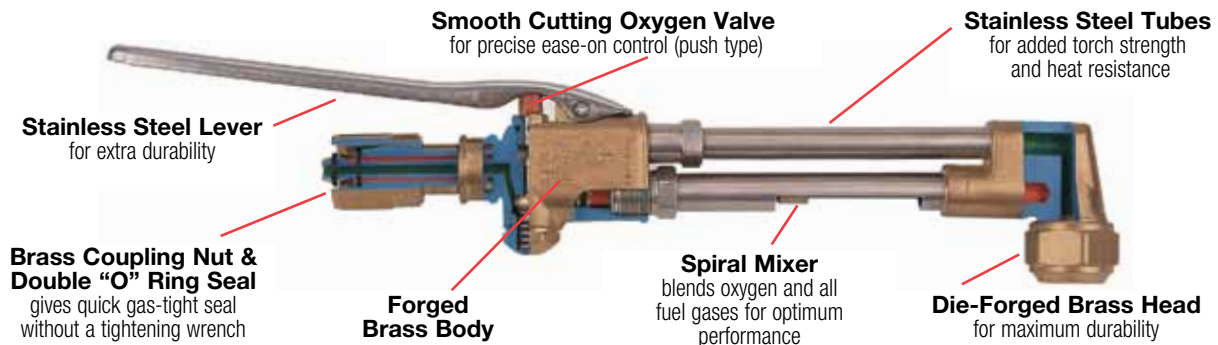


J-40
(0382-0006)

Part No.	Model	Description	Flash Back	Hose Connection	Gas	Weight	Length
0382-0032	100FC	Victor Medium Duty Boxed	Built-in	9/16" - 18	All	14 oz	8 1/2"
0387-0011	100FC	Victor Medium Duty Clamshell	Built-in	9/16" - 18	All	14 oz	8 1/2"
0386-0310	101-01FP	TurboTorch Medium Duty Boxed	Built-in	9/16" - 18	All	14 oz	8 1/2"
0382-0127	J-28	Victor Standard Light Duty Boxed	Check Valves	3/8" - 24	All	8.5 oz	6"
0382-0006	J-40	Victor Standard Light Duty Boxed	Check Valves	3/8" - 24	All	8.5 oz	3 3/4"
0386-0311	103-01FP	TurboTorch Light Duty Boxed	—	3/8" - 24	All	8.5 oz	6"

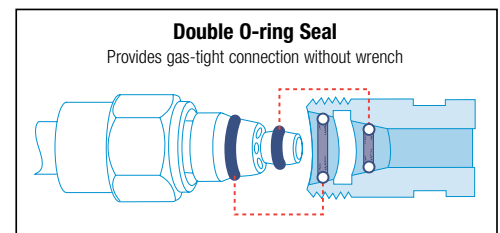
CUTTING ATTACHMENTS - DESIGN & CONSTRUCTION

FEATURES ON VICTOR® BRANDED PRODUCT



Part No.	Model No.	Cutting Range	Handle Series	Tip Series	Head Angle
0387-0005	Victor CA1350CS (Clamshell)	6"/150 mm	100	3	90°
0386-0378	TurboTorch® Standard 151-01FP (Clamshell)	6"/150 mm	100	3	90°
0387-0003	Victor CA1260CS (Clamshell)	3"/75 mm	J	3	90°
0386-0380	TurboTorch Standard 152-01FP (Clamshell)	3"/75 mm	J	3	90°

GENUINE VICTOR NOZZLES & TIPS - DESIGN & CONSTRUCTION



BRAZING AND MULTI FLAME NOZZLES

Exclusive "OPTIMIZED" nozzles in largest choice of types and sizes, plus uniformity of tip orifice and size for all series

TurboTorch® offers a complete range of nozzles, tips and elbows with a size for every application including: Welding, brazing, heating. Nozzles designed for "optimum" performance - Each complete nozzle has its own built-in spiral mixer, individually designed for each tip size and flame characteristic. Each nozzle is individually swaged to insure proper alignment for uniform flame, sizing and free-flow contour.

Orifice sizes are common for all series - Regardless of nozzle series (300FC, 100FC, J), flame characteristic or fuel gas used. This uniformity of orifice sizes simplifies nozzle selection, eliminates chances of ordering the wrong size when changing from one type of nozzle to another.

BRAZING NOZZLES - J SERIES - LIGHT DUTY

Part No.	Model	Tip Size	Brazing Capacity for Copper Tubing	Handles
0387-0039	00-W-J-CS	00	1/8" - 3/4" (3-19 mm)	103-01FP
0387-0040	0-W-J-CS	0	1/4" - 1" (6-25 mm)	103-01FP
0387-0041	1-W-J-CS	1	1/4" - 1 1/4" (6-31 mm)	103-01FP
0387-0042	2-W-J-CS	2	1/2" - 1 1/2" (12-38 mm)	103-01FP
0387-0043	3-W-J-CS	3	3/4" - 1 3/4" (19-44 mm)	103-01FP
0325-0044	4-W-J	4	3/4" - 2" (19-51 mm)	103-01FP

MULTI FLAME HEATING NOZZLES - J SERIES - LIGHT DUTY

Part No.	Model	Torch Handle	BTU per hour
0325-0109	VMA-J-15 Clamshell	103-01FP, J-28, J-40	—
0325-0104	2-MFA-J Box	103-01FP, J-28, J-40	4,410 - 13,230
0325-0105	4-MFA-J Box	103-01FP, J-28, J-40	8,820 - 29,400
0387-0077	6-MFA-J CS Clamshell	103-01FP, J-28, J-40	20,580 - 58,800

BRAZING NOZZLES - 100 SERIES - MEDIUM DUTY

Part No.	Model	Tip Size	Brazing Capacity for Copper Tubing	Handles
0387-0028	000-W-1-CS	000	1/8" - 1/2" (3-12 mm)	100FP, 103-01FP
0387-0029	00-W-1-CS	00	1/8" - 3/4" (3-19 mm)	100FP, 103-01FP
0387-0030	0-W-1-CS	0	1/4" - 1" (6-25 mm)	100FP, 103-01FP
0387-0031	1-W-1-CS	1	1/4" - 1 1/4" (6-31 mm)	100FP, 103-01FP
0387-0032	2-W-1-CS	2	1/2" - 1 1/2" (12-38 mm)	100FP, 103-01FP
0387-0033	3-W-1	3	3/4" - 1 3/4" (19-44 mm)	100FP, 103-01FP
0387-0034	4-W-1	4	3/4" - 2" (19-51 mm)	100FP, 103-01FP

MULTI FLAME HEATING NOZZLES - 100 SERIES - MEDIUM DUTY

Part No.	Model	Torch Handle	BTU per hour
0324-0114	VMA-1-15 Clamshell	100FC, 101-01FP	14,700 - 44,000
0324-0108	2-MFA-1 Box	100FC, 101-01FP	4,410 - 13,230

BRAZING NOZZLES - 300 SERIES - HEAVY DUTY

Part No.	Model	Tip Size	Brazing Capacity for Copper Tubing	Handles
0387-0019	W-00	00	1/8" - 3/4" (3-19 mm)	300 Series
0387-0020	W-0	0	1/4" - 1" (6-25 mm)	300 Series
0387-0021	W-1	1	1/4" - 1 1/4" (6-31 mm)	300 Series
0387-0022	W-2	2	1/2" - 1 1/2" (12-38 mm)	300 Series
0387-0023	W-3	3	3/4" - 1 3/4" (19-49 mm)	300 Series
0387-0024	W-4	4	3/4" - 2" (19-51 mm)	300 Series

MULTI FLAME HEATING NOZZLES - 300 SERIES - HEAVY DUTY

Part No.	Model	Torch Handle	BTU per hour
0387-0060	4-MFA-CS	300	8,820 - 29,400
0387-0061	6-MFA-CS	300	20,580 - 58,800
0387-0062	8-MFA-CS	300	44,100 - 117,600

REPLACEABLE TIP ENDS FOR USE WITH ACETYLENE GAS



Part No.	Model No.	Cutting Range	Handle Series	Tip Series
0311-0215	1-TEMFA	1¼"	⅝" - 27"	TEMFA
0311-0216	2-TEMFA	1¼"	⅝" - 27"	TEMFA
0311-0217	3-TEMFA	1¼"	⅝" - 27"	TEMFA
0311-0218	4-TEMFA	1¼"	⅝" - 27"	TEMFA
0311-0219	5-TEMFA	1¼"	⅝" - 27"	TEMFA
0311-0471	000-TE	1½"	⅝" - 27"	TE
0311-0472	00-TE	1½"	⅝" - 27"	TE
0311-0473	0-TE	1½"	⅝" - 27"	TE
0311-0474	1-TE	1½"	⅝" - 27"	TE
0311-0475	2-TE	1½"	⅝" - 27"	TE
0311-0587	3-TE	1⅝"	⅝" - 27"	TE
0311-0588	4-TE	1⅝"	⅝" - 27"	TE
0311-0589	5-TE	2"	⅝" - 27"	TE
0311-0590*	6-TE	2¼"	.393 - 27"	TE

SPECIAL APPLICATIONS NOZZLES

Part No.	Model No.	Torch Series	Fuel Usage	Length	Thread	Description
0325-0108	DFE-J	J, 103-01	Multi-Gas Fuel	8 3/4"	⅝" - 27"	Dual flexible elbow nozzle assembly
0325-0101	UN-J	J, 103-01	Multi-Gas Fuel	5"	⅝" - 27"	Standard bend nozzle
0325-0102	FE-J	J, 103-01	Multi-Gas Fuel	11½"	⅝" - 27"	Flexible elbow nozzle
0325-0046	UNN-J	J, 103-01	Multi-Gas Fuel	5"	⅝" - 27"	Standard bend nozzle
0324-0092	DFE-1	100FC,101-01FC	Multi-Gas Fuel	5"	⅝" - 27"	Dual flexible elbow nozzle assembly
0324-0094	UN-1	100FC,101-01FC	Multi-Gas Fuel	5"	⅝" - 27"	Standard bend nozzle
0324-0066	FE-1	100FC,101-01FC	Multi-Gas Fuel	5"	⅝" - 27"	Flexible elbow nozzle
0328-0005	4-UM-1	100FC,101-01FC	Multi-Gas Fuel	5"	⅝" - 27"	Universal mixer
0323-0192	DFE	315FC	Multi-Gas Fuel	8 3/4" each elbow	⅝" - 27"	Dual flexible elbow nozzle assembly
0323-0242	UN	315FC	Multi-Gas Fuel	5"	⅝" - 27"	Standard bend nozzle
0323-0191	FE	315FC	Multi-Gas Fuel	11 1/2"	⅝" - 27"	Flexible elbow nozzle

Oxy Acetylene

COMPONENTS

CUTTING TIPS



Part No.	Model No.	Tip Size	Cut Capacity	Use with Cutting Attachment
0387-0144	00-3-101-CS	00	1/4" (6 mm)	CA1350, CA1260, CA25
0387-0145	0-3-101-CS	0	1/2" (12 mm)	CA1350, CA1260, CA25
0387-0146	1-3-101-CS	1	3/4" (19 mm)	CA1350, CA1260, CA25
0387-0147	2-3-101-CS	2	1" (25 mm)	CA1350, CA1260, CA25
0386-1231	160-02P	Adapter Air/Acetylene Only, used on 103-01FP Handle		

SPECIALTY TIPS

DUAL FLAME TIPS



D2 (0386-0546)

Brazing capacity: 1/2" - 1 1/8"



D1 (0386-0545)

Brazing capacity: 1/4" - 7/8"

WRAPPER TIPS

Fits "J" Series Handle



WST-2 (0386-0573)

Brazing capacity: 5/8" - 1 1/8"



WST-3 (0386-0576)

Brazing capacity: 7/8" - 1 5/8"

TIP EXTENSIONS



E6 (0386-0556)

6" Flexible extension



E10 (0386-0557)

10" Flexible extension

SINGLE FLAME TIPS



V3 (0386-0553)

Brazing capacity: 5/8" - 1 1/8"



V2 (0386-0552)

Brazing capacity: 1/2" - 1"



V1 (0386-0551)

Brazing capacity: 1/4" - 7/8"

MIXER ADAPTERS

VM-J (0386-0554)

VM-1 (0386-0555)



ACETYLENE & OXYGEN REGULATORS



201-05FP (0386-0784)



221-05FP (0386-0786)

Part No.	Model No.	High Pressure Gauge		Low Pressure Gauge		Delivery Range		Gauge Size
		P.S.I.G.	KPA	P.S.I.G.	KPA	P.S.I.G.	KPA	
0386-0784	TurboTorch® 201-05FP Acetylene CGA-200	400	2,800	.53-.89	210	2-15	14-105	1-1/2"
0386-0786	TurboTorch 221-05FP Oxygen CGA-540	4,000	28,000	100	700	4-80	28-570	1-1/2"

*Gauges scale = PSIG/KPA

REPLACEMENT GAUGES 1 - 1/2"

Part No.	Description
1424=0147	30#, Red Arc, Gold Tint, Boxed
1424=0148	100#, Gold Tint, Boxed
1424=0149	400#, Gold Tint, Boxed
1424=0150	4000#, Gold Tint, Boxed
1424=0431	30#/200 KPA Red Face Gauge
1424=0432	100#/700 KPA Green Face Gauge
1424=0433	400#/2800 KPA Red Face Gauge
1424=0434	4000#/28,000 KPA Green Face Gauge

REPLACEMENT GAUGES 2"

Part No.	Description
0426-8010	600# TurboSkill Black Case Gauge
0426-8011	4000# TurboSkill Black Case Gauge
1424=0017	400#/2800 KPA Gold Tint, Boxed
1424=0018	600#, Gold Tint, Boxed
1424=0019	4000#/28,000 KPA Gold Tint, Boxed
1424=0166	4000# Chrome, Boxed
1424=0178	400# Chrome, Boxed
1424=0283	400# Gold Tint, Boxed
1424=0284	4000# Gold Tint, Boxed
1424=0381	600#/4200 KPA Gold Tint, Boxed



REPLACEMENT GAUGES 50 mm

Part No.	Description
0426-8001	30# TurboSkill® Gauge
0426-8002	100# TurboSkill Gauge
0426-8003	400# TurboSkill Gauge
0426-8004	4000# TurboSkill Gauge
1424=0405	30# PSIG/200 KPA Gauge
1424=0406	100# PSIG/700 KPA Gauge
1424=0407	400# PSIG/2800 KPA Gauge
1424=0408	4000# PSIG/28000 KPA Gauge



MISC. GAUGES & ACCESSORIES

Part No.	Description
1420-0003	PD 11 Test Gauge Fuel Gas
1420-0004	PD 10 Test Gauge Oxygen
1424=0330	1.4" Acetylene, Black Conn, Boxed
1429-0025	2" Plastic Lens
1429-0026	2 1/2" Plastic Lens
1429-0027	2" Replacement Lens
1429-0028	2 1/2" Replacement Lens
1429-0029	Gauge Lens 1 1/2"



Air Acetylene

EXTREME™ SELF LIGHTING

EXTREME SELF LIGHTING TORCH KITS

Extreme Swirl Technology delivers high heat, super fast, reducing brazing time and fuel consumption. All air acetylene kits include gauge guards and cylinder wrench. Our best line of self-lighting torch kits are available in either valve rear or valve forward configurations. Improved design features quick-disconnect handles and tips, replaceable tips and color coded "O" rings for quick gas identification.

Replaceable Tip

Self Igniting Trigger

Quick Disconnect
Handle and Tip



PL-5ADLX-MC (0386-0832)

COMPONENTS

- AR-MC (CGA 200) Regulator
- G-4 Handle
- AH-12 Hose
- PL-5A Tip
- Soft solders to 1-1/2" (40 mm)
- Silver brazes to 3/4" (20 mm)
- "MC" Tank Connections
- Instruction Manual



PL-8ADLX-MC (0386-0834)

COMPONENTS

- AR-MC (CGA 200) Regulator
- G-4 Handle
- AH-12 Hose
- PL-8A Tip
- Soft solders to 2" (50 mm)
- Silver brazes to 1" (30 mm)
- "MC" Tank Connections
- Instruction Manual

Kit No.	Model	Soft Solders	Silver Brazes	Regulator	Handle	Hose	Tip	Tank Connection	Valve Position
PL-5ADLX-MC	0386-0832	1-1/2" 40 mm	3/4" 20 mm	AR-MC (CGA-200)	G4	AH-12	PL-5A	MC	Rear
PL-5ADLX-B	0386-0833	1-1/2" 40 mm	3/4" 20 mm	AR-B (CGA-520)	G4	AH-12	PL-5A	B	Rear
PL-8ADLX-MC	0386-0834	2" 50 mm	1" 30 mm	AR-MC (CGA-200)	G4	AH-12	PL-8A	MC	Rear
PL-8ADLX-B	0386-0835	2" 50 mm	1" 30 mm	AR-B (CGA-520)	G4	AH-12	PL-8A	B	Rear
PL-12ADLX-B	0386-0836	4" 90 mm	2" 5 mm	AR-B (CGA-520)	G4	AH-12	PL-12A	B	Rear
PLF-5ADLX-MC	0386-0864	1-1/2" 40 mm	3/4" 20 mm	AR-MC (CGA-200)	PLF-A5	AH-12	PL-5A	MC	Forward
PLF-5ADLX-B	0386-0865	1-1/2" 40 mm	3/4" 20 mm	AR-B (CGA-520)	PLF-A5	AH-12	PL-5A	B	Forward
PLF-8ADLX-MC	0386-0866	2" 50 mm	1" 30 mm	AR-MC (CGA-200)	PLF-A5	AH-12	PL-8A	MC	Forward
PLF-8ADLX-B	0386-0867	2" 50 mm	1" 30 mm	AR-B (CGA-520)	PLF-A5	AH-12	PL-8A	B	Forward
PLF-12ADLX-B	0386-0868	4" 90 mm	2" 50 mm	AR-B (CGA-520)	PLF-A5	AH-12	PL-12A	B	Forward
PL-12ASTD	0386-0828	4" 90 mm	2" 50 mm	—	G4	—	PL-12A	—	Rear

U.S. Customer Care: 800-238-0282 / FAX 800-535-0557

EXTREME™ SELF LIGHTING REPLACEMENT TIPS

Increase the range of your torch kit with additional self lighting tips. All TurboTorch® tips feature an orifice screw that can be easily removed for simple cleaning or replacement, extending the life of the tip.



PL-3A
(0386-0874)



PL-5A
(0386-0818)



PL-8A
(0386-0819)



PL-12A
(0386-0820)



3A-TE
(0386-1059)



5A-TE
(0386-1064)



8A-TE
(0386-1065)



12A-TE
(0386-1066)

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Tip No.	Tip Size		Gas Flow		Soft Solder		Silver Solder		Replacement Orifice		Replacement Tip	BTU
	IN.	MM	@14 PSI SCFH	(0.9 BAR) M3/HR	IN.	MM	IN.	MM				
PL-3A	3/16	5.0	3.6	0.31	1/4-1	10-25	1/8-1/2	3-12	OR-A3	0386-1001	3A-TE	1,280
PL-5A	1/4	6.4	5	0.42	3/4-1 1/2	20-40	1/4-3/4	10-20	OR-A8	0386-1003	5A-TE	2,080
PL-8A	5/16	7.9	7	0.59	1-2	25-50	1/2-1	15-30	—	0305-0511	8A-TE	2,520
PL-12A	3/8	9.5	9	0.76	2-4	50-90	1-2	25-50	OR-T-6	0386-1024	12A-TE	3,360

Air Acetylene

EXTREME™ STANDARD

TURBOTORCH® DELUXE TOTE KITS

Both TDLX kits feature an Extreme self lighting tip, an Extreme standard tip, an ergonomic handle with quick disconnect and a tank tote that conveniently stores the hose and additional tips. Choose between the MC or B kits, and immediately benefit from the flexibility these kits offer.

TDLX2010B (0386-0578)

Kit Includes:

PL-8ADLX-B

Extreme Air Acetylene Kit

(0386-0835)

A-3 Extreme Air Acetylene Tip

(0386-0101)

Durable Rolling Tote



TDLX2003 (0426-0011)

Kit Includes:

PL-8ADLX-MC

Extreme Air Acetylene Kit

(0386-0834)

A-5 Extreme Air Acetylene Tip

(0386-0102)

TT-MC Tote

(1421-0035)



Tanks not included



U.S. Customer Care: 800-238-0282 / FAX 800-535-0557

EXTREME™ STANDARD TORCH KITS

This line of kits has been the industry standard for decades. Reliable and well engineered, the standard line of kits combines our Extreme Swirl Technology with a traditional manual lighting torch. All tips feature quick disconnect couplings and color coded O-rings for gas identification.



X-3B (0386-0335)

COMPONENTS

- AR-B (CGA 520) Regulator
- G-4 Handle
- AH-12 Hose
- A-3 Tip
- A-11 Tip
- Soft solders to 3" (75 mm)
- Silver brazes to 1-5/8" (40 mm)
- "B" Tank Connection
- Instruction Manual



X-5MC (0386-0384)

COMPONENTS

- AR-MC (CGA 200) Regulator
- G-4 Handle
- AH-12 Hose
- A-5 Tip
- Soft solders to 1-1/2" (40 mm)
- Silver brazes to 3/4" (20 mm)
- "MC" Tank Connection
- Instruction Manual

Kit No.	Model	Soft Solders	Silver Brazes	Regulator	Handle	Hose	Tips	Tank Connection	Valve Position
X-3B	0386-0335	3" 75 mm	1-5/8" 40 mm	AR-B (CGA-520)	G4	AH-12	A-3, A-11	B	Rear
X-4B	0386-0336	3-1/2" 90 mm	2" 50 mm	AR-B (CGA-520)	G4	AH-12	A-5, A-14	B	Rear
X-5B	0386-0338	1-1/2" 40 mm	3/4" 20 mm	AR-B (CGA-520)	G4	AH-12	A-5	B	Rear
X-5MC	0386-0384	1-1/2" 40 mm	3/4" 20 mm	AR-MC (CGA-200)	G4	AH-12	A-5	MC	Rear
X-6MC	0386-0339	2" 50 mm	1" 30 mm	AR-MC (CGA-200)	G4	AH-12	A-3, A-8	MC	Rear
MSKA-1	0386-0366	3" 75 mm	3/4" 20 mm	AR-B (CGA-520)	G4	AH-12	MSA-8	B	Rear

Air Acetylene

EXTREME™ STANDARD

EXTREME STANDARD TIPS

A full series of manual lighting tips can be used with any Air Acetylene torch handle (PLF-A5 or G-4). Add range to your torch kit with economical tips that also feature a removable orifice screw.



A-2
(0386-0100)



A-3
(0386-0101)



A-5
(0386-0102)



A-8
(0386-0103)



A-11
(0386-0104)



A-14
(0386-0105)



A-32
(0386-0106)



MSA-8
(0386-0365)



Tip No.	Tip Size		Gas Flow		Soft Solder		Silver Braze		Replacement Orifice Model
	IN.	MM	@14 PSI SCFH	(0.9 BAR) M3/HR	IN.	MM	IN.	MM	
A-2	1/8	4.8	2.0	0.17	1/8-1/2	3-15	1/8-1/4	3-10	OR-A2
A-3	3/16	6.4	3.6	0.31	1/4-1	10-25	1/8-1/2	3-12	OR-A3
A-5	1/4	7.9	5.7	0.48	3/4-1 1/2	20-40	1/4-3/4	10-20	OR-A5
A-8	5/16	9.5	8.3	0.71	1-2	25-50	1/2-1	15-25	OR-A8
A-11	7/16	11.1	11.0	0.94	1 1/2-3	40-75	7/8-1 5/8	20-40	OR-A11
A-14	1/2	12.7	14.5	1.23	2-3 1/2	50-90	1-2	30-50	OR-A14
A-32	3/4	19.0	33.2	2.82	4-6	100-150	1 1/2-4	40-100	OR-A32
MSA-8	3/8	9.5	5.8	0.50	3/4-3	20-75	1/4-3/4	10-20	OR-A5

Professional Tip Pack (0386-0577)

Includes these air acetylene tips: A-8, A-5 and A-2 plus a striker and an 8" x 12" Torch Shield made with PyroSil™.

SOF-FLAME™ TORCH KITS

For situations where Swirl Technology is too much, Sof-Flame torch kits offer proven durability and performance for plumbing applications in harsh environments. Tips have a threaded connection and feature a removable orifice screw. Use the Snappy Adapter (0386-0500) to connect "A" style tips.



WSF-3 Kit (0386-0089)

COMPONENTS

- AR-MC (CGA 200) Regulator
- WA-400 Handle
- AH-12 Hose
- S-4 Tip
- Soft Solders to 1" (25 mm)
- "MC" Tank Connection
- Instruction Manual



WSF-4 Kit (0386-0090)

COMPONENTS

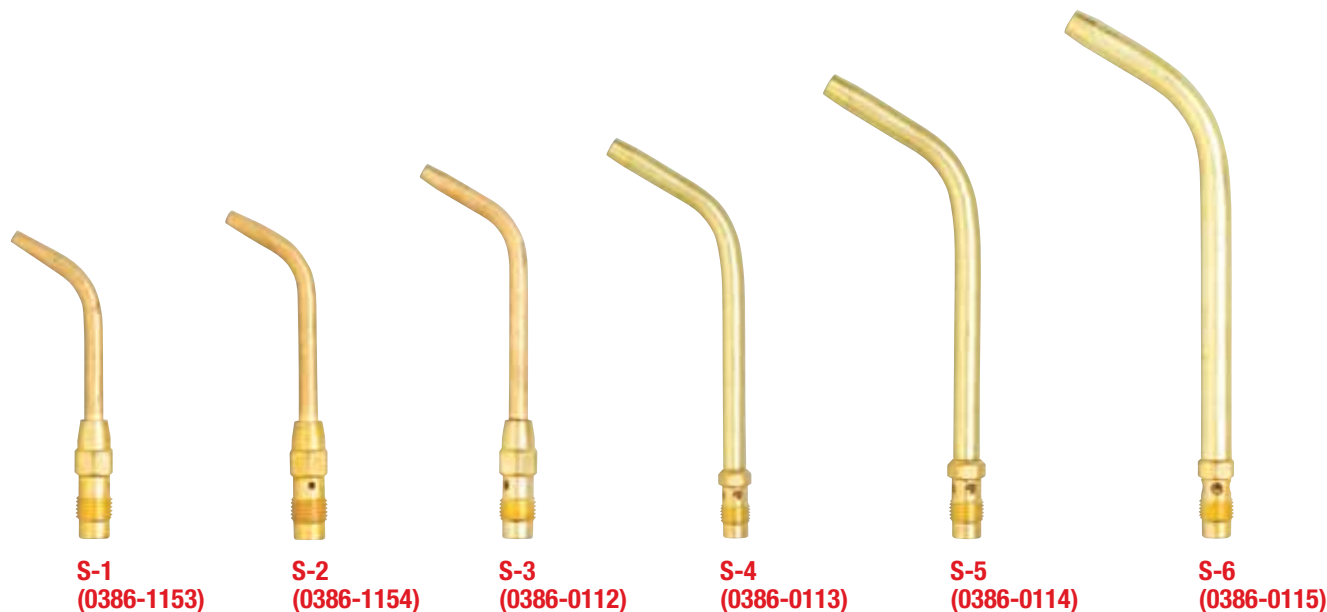
- AR-B (CGA 520) Regulator
- WA-400 Handle
- AH-12 Hose
- S-4 Tip
- Soft Solders to 1" (25 mm)
- "B" Tank Connection
- Instruction Manual

Air Acetylene

EXTREME™ STANDARD

SOFF-FLAME™ TIPS

Constructed of solid brass, Sof-Flame tips add flexibility to the standard kit, increasing the range up to 4 in. Fits WA-400 Torch Handles.



Model	Soft Solder		Operating Pressure Range		Acetylene Consumption Range		Replacement Orifice Model	
	IN.	MM	PSI	BAR	IN.	M3		
S-1	1/16-1/8	2-3	5-15	0.35-1.0	0.53-0.89	0.04-0.07	OR-SI	0386-1049
S-2	1/8-3/8	3-9	5-15	0.35-1.0	1.0-1.7	0.08-0.14	OR-A2	0386-1000
S-3	3/8-1/2	9-13	5-15	0.35-1.0	1.9-3.2	0.15-0.26	OR-T3	0386-1021
S-4	1/2-1	13-25	5-15	0.35-1.0	3.5-5.9	0.29-0.49	OR-A5	0386-1002
S-5	3/4-1 1/2	19-40	5-15	0.35-1.0	6.6-11.0	0.55-0.92	OR-A11	0386-1004
S-6	1-4	25-100	5-15	0.35-1.0	8.8-14.8	0.73-1.24	OR-A14	0386-1005

SWIRL AIR ACETYLENE COMPONENTS - ACCESSORIES



U.S. Customer Care: 800-238-0282 / FAX 800-535-0557

EXTREME PROPANE AND MAP-PRO TORCHES

TurboTorch® has developed a new series of hand torches that also feature Extreme Swirl Technology. The new Extreme series generates more heat than other hand torches for faster brazing times and less gas consumption. All Extreme series hand torches and tips feature TurboTorch swirl combustion. Higher heat levels, in a short amount of time, enable the pros to quickly complete the job.

EXTREME SELF LIGHTING TORCHES

Select from two models depending on the job. The TX-503 series is a “cooler” torch, making it ideal for general plumbing jobs. The TX-504 series is suitable for HVAC and high capacity applications. Both models feature convenient self-lighting triggers, quick disconnect couplings between handle and tips.



TX-504
(0386-1293)



TX-503
(0386-1297)



T-504
(0386-1296)
Replacement Tip



T-503
(0386-1298)
Replacement Tip



TX-500 (0386-1299)
Includes TX-504 and T-503 tip for maximum versatility.



TXK-504 (0386-1295)
TXK-504 includes TX-504 Hand Torch, adapter (0386-0508), hose (TS-12) and regulator (STK-R).



TXC-504 (0386-1294)
TXC-504 includes TX 504 Hand Torch and Plastic Case



T-504 (0386-1301)
T-503 (0386-1300)
Replacement Nut

Tip No.	Model	Propane				MAPP®			
		Soft Solders		Silver Brazes		Soft Solder		Silver Brazes	
T-503	0386-1298	1/8"-2"	30-50 mm	1/16-3/4"	1.6-19 mm	1/8"-3	3-76 mm	1/16-1"	1.6-25 mm
T-504	0386-1296	3/4"-3"	19-76 mm	1/4-1"	6-25 mm	3/4"-4	19-101 mm	1/4-1 1/4"	6-32 mm

MAP-Pro™ & Propane

EXTREME™

EXTREME STK AND SK TORCHES

A longtime industry benchmark, the TurboTorch® line of STK torches now feature the new Extreme Swirl technology. All torches have 360 degree swivel tips and easy to clean orifice screws. Torch kits include the STK-R Pressure Regulator with CGA-600 connection and instruction manuals.



STK-1
(0386-0408)
STK-R Regulator
ST-1 Tip



STK-9
(0386-0403)
STK-R Regulator
ST-3 Tip



STK-11
(0386-1283)
STK-R Regulator
ST-11 Double
Barrel Tip



STK-31
(0386-0575)
STK-R Regulator with
CGA 600 Connection
ST-3 Extreme Tip
ST-1 Tip



STK-99
(0386-0851)
STK-R Regulator
ST-33 Self
Lighting Tip



SK-7000 (0426-4001)

- Self-lighting
- Preset flame
- 180° swivel tip
- Safety trigger lock
- Operates on any standard MAP-Pro™ and Propane 14.1 oz tank
- U.L. listed
- CGA 600 connection
- One year warranty



TP-10 (0386-0860)

- Solid brass construction for lasting durability
- Flame control valve for precise heat adjustments
- Operates on any standard MAP-Pro™ and Propane 14.1 oz tank
- Great for light application jobs: Soldering, Thawing frozen pipes, Loosening rusty nuts & bolts, Heating, Light maintenance

EXTREME™ STK TIPS



ST-1
(0386-0170)



ST-3
(0386-0171)



ST-4
(0386-0183)



ST-5
(0386-0184)



ST-11
(0386-1282)



ST-33
(0386-0850)



STK-R (0386-0687)
CGA 600



44TL-TE
(0386-1263)

Fits ST-33,
STK 99 & TL-44

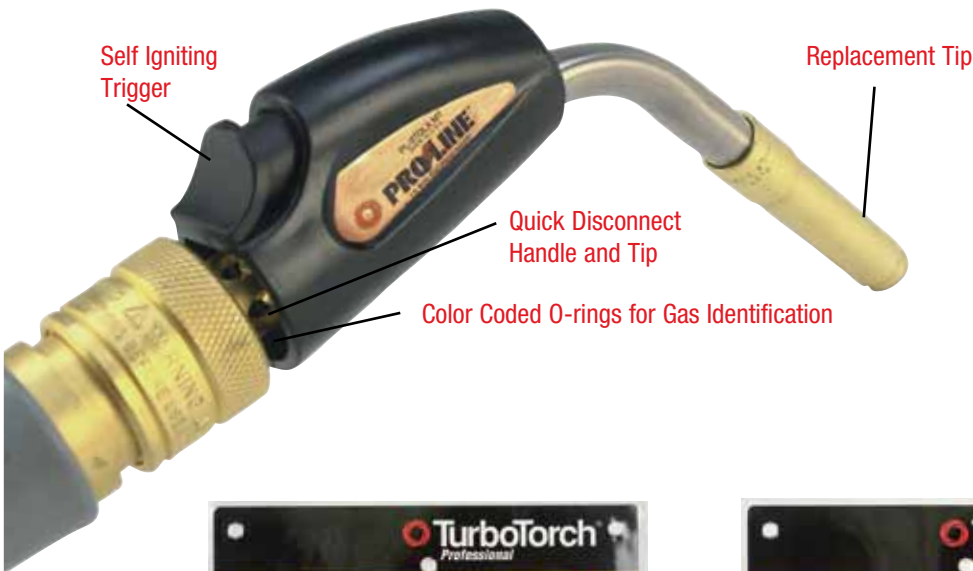
Tip No.	Model	Propane				MAPP®				Replacement Orifice	BTU MAPP
		Soft Solders		Silver Brazes		Soft Solder		Silver Brazes			
ST-1	0386-0170	1/8"-1/2"	3-13 mm	1/8-3/8"	3-10 mm	1/8"-3/4"	3-20 mm	1/8-1/2"	3-13 mm	STOR-1	1,200
ST-3	0386-0171	1/4"-3"	6-76 mm	1/4-1"	6-25 mm	1/4"-3 1/2"	6-90 mm	1/4-1 3/4"	6-45 mm	STOR-3	1,800
ST-4	0386-0183	1 3/8"-2"	35-51 mm	1 3/8"-1 1/2"	35-38 mm	1 3/8"-2 1/2"	35-64 mm	1/4-1 3/8"	6-35 mm	STOR-3	1,800
ST-5	0386-0184	1/8"-3/8"	3-10 mm	1/8"-3/8"	3-10 mm	1/8"-1/2"	3-13 mm	3/8-1/2"	10-13 mm	STOR-1	1,800
ST-11	0386-1282	1"-4"	25-102 mm	1/2-2"	13-51 mm	1 1/2"-6"	38-152 mm	3/4-3"	20-76 mm	STOR-3	3,600
ST-33	0386-0850	1/4"-3"	6-76 mm	1/4-1"	6-25 mm	1/4"-3 1/2"	6-90 mm	1/4-1 3/4"	6-45 mm	STOR-3	1,700

MAP-Pro™ & Propane

PROLINE® SELF LIGHTING

PROLINE SELF LIGHTING PROPANE & MAP-PRO KITS:

Featuring TurboTorch®'s Swirl Combustion technology, the Proline series kits are engineered for performance and durability. All kits are equipped with RL-P Regulators (CGA-510), allowing for the use of high heat/energy gases such as MAP-Pro or Propane. A full assortment of tips equipped with quick disconnects, expands the work range of the series.



PL-3TDLX KIT (0386-0837)

COMPONENTS

- RL-P Regulator, CGA-510
- H-4 Handle
- H-12 Hose
- PL-3T Tip
- Soft Solders 1" (25 mm)
- Silver Brazes 1/2" (12 mm)
- Instruction Manual



PL-4TDLX KIT (0386-0838)

COMPONENTS

- RL-P Regulator, CGA-510
- H-4 Handle
- H-12 Hose
- PL-4T Tip
- Soft Solders 1 1/2" (40 mm)
- Silver Brazes 3/4" (20 mm)
- Instruction Manual

Kit No.	Model	Soft Solders		Silver Brazes		Regulator	Handle	Hose	Tips
PL-3TDLX	0386-0837	1"	25 mm	1/2"	12 mm	RL-P (CGA-510)	H-4	H-12	PL-3T
PL-4TDLX	0386-0838	1-1/2"	40 mm	3/4"	20 mm	RL-P (CGA-510)	H-4	H-12	PL-4T
PL-5TDLX	0386-0839	2-1/2"	63 mm	1-1/4"	31 mm	RL-P (CGA-510)	H-4	H-12	PL-5T
PL-4TSTD	0386-0830	1-1/2"	40 mm	3/4"	20 mm	—	H-4	—	PL-4T

PROLINE® SELF LIGHTING TIPS



PL-3T*
(0386-0821)



PL-4T*
(0386-0822)



PL-5T
(0386-0823)

With Color
Coded "O" Rings
Blue for LP
1407-0311

Tip No.	Tip Size		Air Propane @24 PSI LBS/HR	Air MAPP® @42 PSI LBS/HR	Copper Tubing Size Capacity Propane Gas				Copper Tubing Size Capacity MAPP® Gas				Replacement		BTU
	IN.	MM			Soft Solder		Silver Solder		Soft Solder		Silver Solder		Orifice Model	Tip Ends	
PL-3T	3/8	9.5	0.33	0.46	1/4-1	6-25	1/8-1/2	3-10	1/4-1 1/2	10-40	1/4-1/2	6-15	OR-T-3	3T-TE	1,300
PL-4T	7/16	11.1	0.52	0.69	1/4-1 1/2	10-40	1/4-3/4	6-15	1/4-2 1/2	10-60	1/4-1 1/4	6-35	OR-PL4T	3T-TE	1,400
PL-5T	5/8	15.9	0.71	1.41	1 1/2-2 1/2	40-60	1/2-1 1/4	15-35	1-4	25-100	1/2-2	15-50	OR-PL5T	3T-TE	2,000

* Included in PL-DLXPT Kit (0386-1397), See page 27.



H-4 (0386-0300)

Fits all Proline and TurboTorch tips "B" size
9/16" - 18 hose connections



3T-TE (0386-1067)



4T-TE (0386-1068)



5T-TE (0386-1069)



R-LP (0386-0705)

Brass regulator for use with MAP-Pro™, Propane and other LPG fuel gas. Adjustable to 60 psi. Fits standard POL valve & 9/16" 18 LH hose nut. Not for use with Acetylene. R-LP-993 Regulator for British 993 Markets, Part No. 0386-0328

MAP-Pro™ & Propane

STANDARD

STANDARD PROPANE & MAP-PRO KITS:

Designed with the same Swirl Combustion Technology that is featured in the Proline Self Lighting Series, the manual series offers an economical alternative for use with Propane and MAP-Pro gases. A variety of tip sizes helps complete the job quickly and economically.



LP-1 KIT (0386-0247)

COMPONENTS

- R-LP Adjustable Regulator, CGA-510
- H-4 Handle
- H-12 Hose
- T-4 Tip
- T-6 Tip
- Soft solders to 6" (150 mm) with MAP-Pro
- Silver brazes to 4" (100 mm) with MAP-Pro
- Instruction Manual



Kit No.	Model	Regulator	Handle	Hose	Tip	
LP-1	0386-0247	RL-P (CGA-510)	H-4	H-12	T-4, T-6	Refer to tip chart below for soldering and brazing capacities
LP-2	0386-0007	RL-P (CGA-510)	H-4	H-12	T-3, T-5	
LP-3	0386-0006	RL-P (CGA-510)	H-4	H-12	T-4	



Tip No.	Tip Size		Air Propane @24 PSI LBS/HR	Air MAPP® @42 PSI LBS/HR	Copper Tubing Size Capacity Propane Gas				Copper Tubing Size Capacity MAPP® Gas				Replacement	
	IN.	MM			Soft Solder		Silver Solder		Soft Solder		Silver Solder		Orifice Model	
T-2	5/16	8.0	0.14	0.17	5/16-3/4	3-10	5/16-3/4	1-6	5/16-1/2	3-12	5/16-3/4	3-10	OR-A2	0386-1000
T-3	7/16	11.1	0.20	0.25	1/4-1	6-25	5/16-1/2	3-10	1/4-1 1/2	10-40	1/4-1/2	6-15	OR-T3	0386-1021
T-4	1/2	12.7	0.39	0.48	1/4-1 1/2	10-40	5/8-3/4	6-15	1/4-2 1/2	10-60	1/4-1 1/4	6-35	OR-A3	0386-1001
T-5	3/4	19.0	1.10	1.3	1 1/2-2 1/2	25-60	1/2-1 1/4	15-35	1-4	25-100	1/2-2	15-50	OR-A8	0386-1003
T-6	1	25.4	2.10	2.5	1 1/2-4	40-100	3/4-2	20-50	1 1/2-6	25-150	3/4-4	20-100	OR-T6	0386-1024

U.S. Customer Care: 800-238-0282 / FAX 800-535-0557

EXTREME SELF LIGHTING TORCH KITS

The Choice for Plumbing and HVAC Professionals

PL-DLXPT KIT (0386-1397)

KIT INCLUDES:

- Durable Tool Bag
- Self Lighting PL-3T Tip
- Ergonomic Torch Handle
- STK-R Regulator (CGA-600)
- 12 ft Hose
- Hose Clamp BONUS ITEMS:
- PL-4T Tip
- PL-812 Heat Shield
- Viper™ SX Solder

EASILY STORE 2 GAS CYLINDERS
(GAS CYLINDERS NOT INCLUDED)
ADJUSTABLE SHOULDER STRAP
METAL SLEEVE FOR HOT TIP STORAGE
MULTIPLE STORAGE POCKETS
EASY STORAGE OF GAS HOSE
COMFORTABLE CARRYING HANDLE



BEFORE



AFTER



Nitrogen Purge

NITROGEN PURGE & BLOW GUN KITS

Nitrogen purging: When brazing copper, it is imperative to purge with nitrogen in order to minimize or eliminate oxidation that results from heating the copper pipe. Without purging, oxidation will occur and the oxidized flakes that result can and will break off and flow through the system, damaging bearings and fouling system filters. All that is needed is a low pressure, low volume flow of nitrogen. The use of dry nitrogen gas also minimizes the need to evacuate moisture from the system.



NPK-TT (0386-1370)



NITROGEN PURGING KIT COMPONENTS

Part No.	Model No.	Description
0386-1370	NPK-TT	Nitrogen Purge Kit
0386-0814	245-03P	Nitrogen Regulator
0386-1371	TT-1	Turbo Tornado™
0386-1372	CP-1	1/2" Cone Plug
0386-1373	CP-2	3/4" Cone Plug
0386-1374	NT-1	Needle Tip

Part No.	Model No.	Description
0386-1375	CO2-NPK	CO2 Adapter
0386-1376	CH-36	36" X 1/4" Standard Charge Hose
0386-1377	CH-72	72" X 1/4" Standard Charge Hose
0386-1378	BG-NPK	Blow Gun

NITROGEN PURGE REGULATOR

PURGING REGULATOR

Model Number	Part No.	H.P. Gauge		L.P. Gauge		Delivery Range	
		P.S.I.G.	KPA	P.S.I.G.	KPA	P.S.I.G.	KPA
250-800-580	0386-0857	4,000	28,000	0-1000	0-7000	0-800	0-5500
245-02P Nitrogen CGA-580	0386-0813	4,000	28,000	400	2,800	0-250	0-1750
245-03P Nitrogen CGA-580	0386-0814	4,000	28,000	600	4,200	0-500	0-3500
SKRP-125	0426-2000	4,000	28,000	200	1,400	0-125	0-900
SKRP-425	0426-2001	4,000	28,000	600	4,200	0-425	0-3000

**245-03P
(0386-0814)**



**250-800-580
(0386-0857)**



U.S. Customer Care: 800-238-0282 / FAX 800-535-0557

NPK-20 (0386-1234)

- 6 ft/1.8 m Hose
- OSHA Rated Blow Gun
- Regulator 245-03P
- Carrying Case
- Multiple Uses: Purges, Blows, Leak Tests



NPK-40 (0386-1236)

- 6 ft/1.8 m Hose
- OSHA Rated Blow Gun
- Regulator 245-03P
- Carrying Case
- Multiple Uses: Purges, Blows, Leak Tests



SKP-40T (0426-0009)

- 40 cu ft Nitrogen Cylinder (09616-0028)
- Durable 6 ft Hose (1412-0145)
- OSHA Rated Blow Gun (0660-0105)
- Regulator SKP-425 (0426-2001)
- Carrying Tote (1421-0059)



NFM-TT (0386-0849)

- Outflow 0 to 75 SCFH and 0 to 35 LPM
- 1/4" F.F. Inlet, Max Inlet Pressure 50 PSI
- Brass Body Construction
- 1/4" M.F. Outlet
- Over-Pressure Safety Relief Valve
- Provides Visual Confirmation of Gas Flow



ACCESSORIES

Part No.	Model Number	Description
1421-0058	TT-20	20 cu ft Carrying Case
1421-0059	TT-40	40 cu ft Carrying Case
0660-0105	BG	Blow Gun
1412-0145	BGH	1/4" Blow Gun Hose
0426-0009	SKP-40T	TurboSkill® Nitrogen Purge Kit w/ Tank

Accessories

Oxy/Acetylene Twin Hose

252-03P (0386-1094)

12.5 ft, "A" Fittings

Acetylene Hose

AH-12 (0386-1090)

12 ft, "A" Fittings

AH-24 (0386-1091)

24 ft, "A" Fittings



"Total LP" Hose

H-12 (1412-0080) 12 ft, "B" Fittings

H-24 (0386-1087) 24 ft, "B" Fittings

HOSE		
Part No.	Model Number	Description
0386-1094	252-03P	12½ ft Twin Hose "A" Fitting
0386-1090	AH-12	12 ft Hose "A" Fitting
0386-1091	AH-24	24 ft Hose "A" Fitting
1412-0080	H-12	12 ft Hose "B" Fitting
0386-1087	H-24	24 ft Hose "B" Fitting

Tank Key

TK (0386-1226)

Fits B & MC Tanks



L-1 Single Flint Striker

(1423-0023)



Triple Flint Striker

(0386-0297)



F-1 Flints for L-1

(1423-0024)



TT-LP TurboTest Refrigerant Leak Detector

(0386-0443)

The TurboTest "Total LP" Leak Detector fits standard TurboTorch MAP-Pro™ (MPT-1) or Propane (PT-1) tanks. The TurboTest "Total LP" is compact, easy to use and capable of detecting leaks of 8 oz per year. It's made of brass construction with a stainless steel shield. Sniffer tube swivels 360° for easy handling. Heavy copper reactor plate gives extra long life. Rugged stainless steel shroud will not rust. Easy-to-clean orifice is easily removed, reversed and blown clean. Steady, uniform swirl combustion flame. Complete operating instructions are included.



Torch Shield

PL-812 (0386-0561)

(8" x 12")

The Proline® Torch Shield is manufactured with PyroSil™, an effective heat shield against thermal radiation. The shield is a durable fabric that can be rolled up for convenient storage and features a "center-cut" design making it easy to place around a pipe.

Tip Cleaner

(0386-1213)



Triple Flint Striker Refills

(0386-0298)

Goggles

(1423-0017)

Shade #5



Safety Glasses

(1441-3408)

- Meets or Exceeds ANSI Z87.1 and various International Standards



Chipping Hammer

(1423-0086)

- Hammer heads are hardened to precisely controlled temperatures for durability and strength
- Wide-blade design removes slag faster and adds to life of the tool
- Holds up to 10 lbs of 12" or 14" Electrodes



Scratch Brushes

(1423-0087) Carbon Steel 3 x 19 1.875"

(1423-0082) Stainless Steel 3 x 19 1.875"



Shoe Handle Brushes

(1423-0083) Carbon Steel 4 x 16 1.875"

(1423-1442) Stainless Steel 4 x 16 1.875"



Welders Toothbrush Style

(1423-0081) Stainless Steel Tinning 3 x 7 0.5"

(1423-0084) Brass 3 x 7 0.5"

(1423-1400) Brass 2 x 9 0.5"

Premium Welder's Glove

(1423-4133)

- Sturdy Suede Leather
- Wing Thumb
- Fully Weltd Seams
- 100% Cotton Lining
- 14" Flared Gauntlet Cuff
- Self Hem
- Size: L



Accessories

HELMETS

Tweco® WeldSkill® Auto-Darkening Welding Helmets

The new Tweco WeldSkill auto-darkening welding helmet provides enhanced performance with 4 arc sensors at an affordable price. It offers operator comfort due to its lightweight construction and versatility. With superior performance, durability and flexibility, Tweco WeldSkill helmets offer exceptional value in personal welding protection.

THE NEW TWECO HELMETS FEATURE:

- **ENHANCED PERFORMANCE** - Four arc sensors for high response
- **AUTO-DARKENING** - Automatically turns from light to dark and dark to light
- **LIGHTWEIGHT** - For optimum comfort, 16 oz (450 grams)
- **VARIABLE SHADE** - Adjustable welding shade levels from 9 to 13
- **LIGHT SHADE DIN LEVEL** - Level shade 4
- **UV/IR PROTECTION** - Level shade 16 (DIN)
- **"SENSITIVITY" CONTROL RANGE** - Low to high
- **RESPONSIVE LENS SWITCHING SPEED** - up to 1/30,000 sec (33 microseconds)
- **"DELAY" ADJUSTABLE CONTROLS** - Selection for switching speed:
 - "short" = 0.25s to 0.35s
 - "medium" = 0.35s to 0.50s
 - "long" = 0.50s to 0.80s
- **"WELDING" OR "GRINDING"** - Selection for process mode
- **LARGE VIEWING AREA** - 3.86" x 1.69" (98 mm x 43 mm)
- **SOLAR-POWERED** - So you don't have to worry about changing batteries
- **AFFORDABLE** - Value-priced
- **CERTIFIED** - ANSI Z87.1, CE EN 379 and EN 175
- **SUPPORT** - Backed by Tweco support, quality, reliability, and 2-year warranty



Carbon Fiber Helmet
(4100-1001)



Eagle Helmet
(4100-1002)



Flame Helmet
(4100-1003)



Tribal Helmet
(4100-1004)



SHADE #9



SHADE #10



SHADE #11



SHADE #12



SHADE #13



(0386-1241)

Turbo Tote Only



(1421-0084)

CutSkill® Tote Only



(0386-1402)

Deluxe Torch Bag



(0386-2579)

Rolling Tote Bag



143-01
(0386-0528)

Wheeled cylinder truck. Accommodates 40 or 10 cu ft acetylene and 40 or 20 cu ft oxygen cylinders



TT-B
(1421-0034)

Heavy duty steel construction fits "B" tank. Storage for tips, hose, handle and striker.



TT-150
(1421-0016)

Durable composite construction fits "B" tank. Features include a hose rack for storage while not in use and helps protect the regulator from accidental damage. A large handle keeps your tank portable. Your spark lighter is close at hand in its own holder accessory. "B" tote can be changed from one tank to another without special tools. A heavy nylon belt can keep your outfit secure on scaffolds or in the truck.



TT-MCR
(1421-0036)

Heavy duty steel construction fits "MC" and "OX-20" (R) tank. Storage for tips, hose, handle and cutting attachments. Use Adapter for use with MPT-1 (not included).



TT-MC
(1421-0035)

Heavy duty steel construction fits "MC" tank or MPT-1 MAP-Pro™ tank. Easy storage of tips, handle, hose and striker.

Accessories

TANKS



PT-1 (0916-0004)

- Propane replacement tank for use with all TurboTorch® hand torches. Also use with TurboTorch #TT-LP Leak Detector
- Contains 14.1 oz propane
- CGA 600 Connection
- Non-Refillable



MPT-1 (0916-0122)

- MAP-Pro™ Gas replacement tank for use with TurboTorch dual fuel hand torches. Also use with TurboTorch #TT-LP Leak Detector
- Contains 14.1 oz of MAP-Pro Gas
- CGA 600 Connection
- Non-Refillable



AC-B (0916-0005)

- Type "B" Acetylene Cylinder, 40 cu ft capacity
- CGA 520 Connection
- Fits 1421-0016 "B" tote
- DOT, TC Certified



AC-MC (0916-0002)

- Type "MC" Acetylene Cylinder, 10 cu ft capacity
- CGA 200 Connection
- Fits TurboTote 0386-1241 Case
- Fits CutSkill Tote 1421-0084
- DOT, TC Certified



OX-20 (0916-0003)

- Type "R" Oxygen Cylinder, 20 cu ft capacity
- CGA 540 Connection
- Fits TurboTote 0386-1241 Case
- Fits CutSkill® Tote 1421-0084
- DOT, TC Certified



NT-20 (0916-0145)

- 20 cu ft Nitrogen
- CGA 580 Connection
- DOT, TC Certified

OX-40 (0916-0019)

- Type "R" oxygen Cylinder
- 40 cu ft capacity
- CGA 540 Connection
- DOT, TC Certified

NT-40 (0916-0028)

- 40 cu ft Nitrogen Cylinder
- CGA 580 Connection
- DOT, TC Certified

NT-55 (0916-0326)

- 55 cu ft Nitrogen Cylinder
- CGA 580 Connection
- DOT, TC Certified



T-10PS-MT (0916-0029)

- Tank with 10 lb capacity. Refillable with Propane.
- CGA 510 POL Connection
- 17-1/2" (44 cm) high
- 8" (20 cm) O.D.



A COMPLETE LINE OF PREMIUM BRAZING ALLOYS, HIGH SILVERS, SOLDERS AND FLUXES.

TurboTorch® Viper™ products are ideal for a variety of applications. These premium products deliver all the quality and performance professionals have come to expect from TurboTorch.



Part Number	Model Number and Description
Phos-Copper Alloys	
0386-0421	Viper SF-1, 1 lb
0386-0493	Viper SF-2, 1 lb
0386-0494	Viper SF-5, 1 lb
0386-0495	Viper SF-6, 1 lb
0386-0491	Viper SS-15, 1 lb
Soldering Alloys	
0386-1379	Viper SX, 1 lb spool
0386-1382	Viper 95/5, 1 lb spool
Fluxes	
0386-1396	Viper Soldering Flux, 4 oz
0386-1393	Viper Silver Brazing Flux, 6.5 oz
0386-1394	Viper Aluminum Flux, 4 oz
Kits	
0386-1395	Viper Aluminum Repair Kit

For complete Viper product specifications, please reference the Viper brochure. Ask for form number 66-2826 or view online at www.turbortorch.com.



BRAZING ALLOYS FOR MAINTENANCE ON STEEL PRODUCTS



BF-1 (0386-0422)

BronzeFlow (for steel materials other than stainless steel - available in 1 lb package) Brazing range 1595-1620°F (868-882°C) for low fuming bronze. Ideal for maintenance repairs on plumbing and heating. Tensile strength - 63,000 psi. Meets AWS A5.8, ASTM B-259, Federal QQR571B, MIL-R-19631B specifications.



NS-1 (0386-0431)

NicSil-Flow (for stainless steel and chrome-plated products) Nickel content brazing rod. Low fuming type nickel-bronze alloy. Brazing range 1665-1680°F. Tensile strength - 70,000 psi. Meets AWS A5.8, ASTM B-259, Federal QQR571B, MIL-R-19631B specifications.



Plasma Cutters

PORTABLE PLASMA CUTTING SYSTEM WITH BUILT-IN AIR COMPRESSOR

AirCut® 15C (1-1110-1)

Internal Air Compressor

- This unit comes standard with a built-in air compressor.

Lightweight

- Weighs only 29 lbs (13.2 kg), almost 50% lighter than the competition.

Superior Cutting Capacity

- 1/8" (3 mm) Recommended Cut, 3/16" (5 mm) maximum capability.

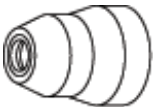



Easy to Use

- 120V, 15 Amp plug standard. Plug it in anywhere!

Faster Cut Speeds

- 25% more cutting power provides
- 25% faster cut speeds than the competition.



Product Description	Catalog No.
Systems - 70° Torch / 20' (6.1 m) Leads	
120V 60Hz	1-1110-1
Replacement Torch and Leads Packages	
PCH-10 70° Torch / 20' (6.1 m) Leads	2-1020
Accessories	
Cutting Guide Kit	7-8910
20 ft (6.1 m) Leather Leads Cover	9-1260
Torch Consumables	
 Shield Cup 9-6003	 Tip 9-6099
 Gas Distributor 9-6007	 Electrode 9-6006

Cut Capacity	Output Current	Input Power	Duty Cycle	Dimensions	Weight	Ship Weight
1/8" (3 mm) Recommended Cut	15 Amps Fixed	120V (± 10%), Single Phase, 60Hz., Ieff: 12 Amps	35% @ 15A	18" (457 mm) x 6.5" (165 mm) x 9.5" (241 mm) L x W x H	29 lbs (13.2 kg)	38 lbs (17.2 kg) (includes Unit, Power Cable, Torch and Leads)

NEW PORTABLE PLASMA CUTTING SYSTEM CUTMASTER® 42 (1-4200)

- Industry leading 4-YEAR warranty - a \$220 value
- The only product in its class that provides increased power when switching from 120V to 230V
- Competitively priced for the 1/4" (6 mm) market, but with the cut capacity of a larger machine
- Featuring the new SL40™ torch, based on the proven Surelok® platform
- Vent2Shield™ (VES) allows the use of considerably smaller compressors (less weight to carry, can be used with 120V) compared to similar 40 Amp units
- Greater cutting capacity than any 1/4" (6 mm) plasma system on the market. Cuts all day at 1/4" with the power to cut 5/8" (15 mm)
- Compact and lightweight, only 26 lbs (11.8 kg) for serious portability
- Only 40 Amp unit on the market with quick disconnect torch (ATC®) and lead extensions
- Features two power plugs, one for the standard 120V outlet and another plug for a 230V outlet



Max Amperage Output - (Amps)	27 @ 120V 40 @ 230V
Output Power - (Kw)	3.8
Recommended Cut - Inches (mm)	1/4" (6)
Max Cut - Inches (mm)	5/8" (15)
Pierce Rating - Inches (mm)	1/4" (6)
Input Voltage - (Volts, Phase, Hz)	120/230V, 1, 50/60
Duty Cycle (@40°C)	40% @ 40A
Amperage Draw	29A @ 120V 15A @ 230V
Dimensions - (H x W x L) Inches (mm)	9 x 7 x 18.5 (228 x 117 x 470)
Weight - lbs (kg)	26 (11.8)
Torch Model	SL40
Air Pressure - psi (bar)	75 (5.2)
Flow - cfm (lpm)	3.2 (91)
Warranty-(Unit/Torch) Parts & Labor	4/1

System Includes:

- CUTMASTER 42 power supply
- All new SL40 torch
- Safety gloves & glasses
- Instructional plasma cutting DVD
- Consumables set
- Heavy-duty carrying case
- Power plug adapters

CUTMASTER
TRUE SERIES

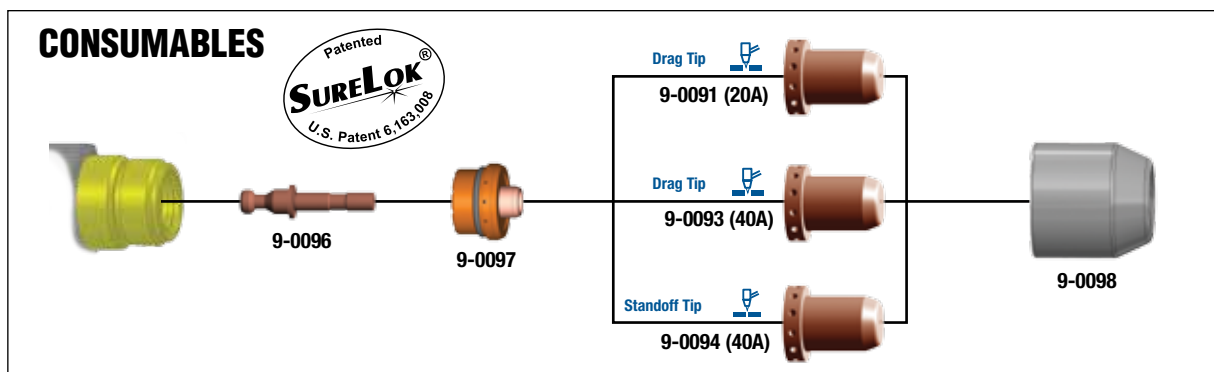
42

RECOMMENDED CUT
1/4"

MAXIMUM CUT
5/8"

150%
MORE
PUNCH

WHEN YOU NEED IT.



Arc Welders

95 S INVERTER

The Thermal Arc® 95 S Portable DC Welder is perfect for beginners, do-it-yourselfers or home hobbyists and makes it easy and affordable to produce high quality welds at home, in the garage, or in the field.

As the only product in its class, with Stick and Lift TIG capabilities, the 95 S is capable of delivering 95 Amps of power on 115 Volt circuits and allows you to cover a wide range of light maintenance and repair jobs, as well as light fabrication.

The unit is available in two packages: a Stick welding package and a combination Stick/TIG welding package. The inverter welding power source is extremely portable at only 9.7 lbs.

MACHINE FEATURES:

- Versatile, multi-process Stick/TIG capability
- High 95 Amp welding output
- Excellent, smooth & stable arc performance
- Highly efficient inverter design
- Ultra-light for maximum portability (9.7 lbs)
- Simple & easy, ready to weld package

Pictured:
Stick/TIG Package



Stick Welding Package (Part No. W1003202)

- Thermal Arc 95 S inverter welding power source
- Tweco® WeldSkill® style electrode holder with 10 ft (3 m) lead
- Tweco WeldSkill style ground clamp with 10 ft (3 m) lead
- 20 Amp adapter plug & cable
- Operating manual
- Quick set-up DVD
- 4 general purpose stick electrodes (E6013)
- Carry case

Stick/TIG Package (Part No. W1003203)

INCLUDES ALL ITEMS ABOVE PLUS:

- 17V style TIG torch 10 ft (3 m) & accy. kit
- Argon regulator / flow gauge

MACHINE SPECIFICATIONS

Type: Constant Current	DC Stick & TIG Welder
Maximum Output	95A
Welding Amperage Range 115V	Stick 5-90A / TIG 5-95A
Welding Amperage Range 230V	N/A
Rated Output: Stick 115V, 15A	60A / 22.4V @ 45%
TIG 115V, 15A	85A / 13.4V @ 25%
Stick 115V, 20A	90A / 23.6V @ 20%
TIG 115V, 20A	95A / 13.8V @ 20%
Nominal OCV Volt/DC	60V
Power Source Dimensions: (H x W x D)	9.0" (229 mm) x 5.1" (130 mm) x 13.0" (330 mm)
Power Source Weight	9.7 lbs (4.4 kg)
Warranty	1 Year
PRIMARY POWER	
Primary Voltage	115V
Hertz	50/60 Hz
Phase	1 PH
Designed To	IP23S
Approvals	EN 60974-1

161 S INVERTER

The Thermal Arc® 161 S Portable DC Welder is designed for Stick & Lift TIG welding operations and provides a greater range of output for the advanced hobbyist or light industrial applications.

It is capable of delivering 110 Amps on 115 Volt circuits for Stick & TIG welding. When used on 208-230 Volt circuits, maximum output is 160 Amps for either welding process.

This welder features optimized hot start and arc-force circuits delivering superior arc starting and control when Stick welding.

MACHINE FEATURES:

- Versatile, multi-process Stick/TIG capability
- 160 Amps maximum welding output
- Multi-voltage input power 115 & 208/230 VAC
- Excellent, smooth & stable arc performance
- Highly efficient inverter design
- Lightweight and portable
- Simple & easy, ready to weld package

Pictured:
Stick/TIG Package



Stick Welding Package (Part No. W1003602)

- Thermal Arc 161 S inverter welding power source
- Tweco® WeldSkill® 200 Amp electrode holder with 13 ft (4 m) lead
- Tweco WeldSkill 200 Amp ground clamp with 10 ft (3 m) lead
- Adapter plug from 230V 50 Amp to 115V 15 Amp circuits
- Operating manual
- Product family overview DVD
- 4 general purpose stick electrodes (E6013)
- Carry case

Stick/TIG Package (Part No. W1003603)

INCLUDES ALL ITEMS ABOVE PLUS:

- 17V style TIG torch 12.5 ft (3.8 m) & accy. kit
- Victor® Argon regulator / flow gauge

MACHINE SPECIFICATIONS	
Type: Constant Current	DC Stick & TIG Welder
Maximum Output	95A
Welding Amperage Range 115V	Stick 5-90A / TIG 5-95A
Welding Amperage Range 230V	N/A
Rated Output: Stick 115V, 15A	70A / 22.8V @ 60%
TIG 115V, 15A	100A / 14V @ 60%
Stick 115V, 20A	100A / 24V @ 35%
TIG 115V, 20A	110A / 14.4V @ 50%
Stick 230V	160A / 26.4V @ 30%
TIG 230V	160A / 16.4V @ 30%
Nominal OCV Volt/DC	71V
Power Source Dimensions: (H x W x D)	9.0" (229 mm) x 5.3" (135 mm) x 15.5" (394 mm)
Power Source Weight	17.4 lbs (7.9 kg)
Warranty	3 Year
PRIMARY POWER	
Primary Voltage	115V/208-230V
Hertz	50/60 Hz
Phase	1 PH
Designed To	IP23S
Approvals	EN 60974-1

In-store Displays

TURBOTORCH® IN-STORE DISPLAYS

TurboTorch is the most demanded torch in the plumbing and HVAC market. Offering a full line of air fuel and oxy fuel torches, equipment and accessories, our product is the first choice of professionals. Maximize your sales of these products by installing one of a variety of in-store display options of our fastest moving SKUs.



Full Plumbing / HVAC Wall Display

- Measuring 48" wide by 64" tall, this complete wall display allows for a full offering of plumbing and HVAC equipment and consumables to be represented
- Includes torches and equipment for both MAP-Pro™ and Propane as well as Air Acetylene
- Includes a full range of consumable items including gas, solder, alloys and flux
- Features attractive, durable black pegboard with TurboTorch logos and header stickers complete with TurboTorch Extreme®, TurboTorch Viper™ or Victor® logos
- Quick and easy installation



Hand Torch Wall Display

- Features attractive, durable black pegboards with TurboTorch logo.
- Measuring 48" square, this display option allows for most popular MAP-Pro and Propane torches and kits
- Includes a full range of consumable items including gas, solder, alloys and flux
- Comes complete with eye-catching TurboTorch header stickers
- Quick and easy installation
- Call your local TurboTorch representative and order your display materials today!

ASK YOUR TURBOTORCH® REPRESENTATIVE ABOUT OUR FULL RANGE OF POINT-OF-SALE MATERIAL INCLUDING POSTERS, COUNTER MATS, BANNERS, FLOOR/COUNTER STICKERS, LITERATURE, WINDOW CLINGS AND MORE!



Complete Plumbing / HVAC Gondola Display

- Designed for two 48" wide by 48" tall gondolas with shelves, this display allows for a complete representation of our top selling items.
- Display a wide range of quick moving SKUs including:
 - MAP-Pro™ and Propane torches and kits
 - Oxy-Acetylene kits, tips and handles
 - Air-Acetylene kits and torches
 - TurboTorch Viper™ solders, alloys and fluxes
 - Plasma systems and consumables
 - MAP-Pro, Propane, Acetylene gas and Oxygen cylinders
 - A full range of air-fuel and oxy-fuel accessories
- Features attractive, durable black pegboard with TurboTorch logos and header stickers complete with TurboTorch Extreme®, TurboTorch Viper or Victor® logos. Large TurboTorch and Victor headers available as well (pictured)
- Quick and easy installation

Warranty

VICTOR®/TURBOTORCH® WARRANTY

"LIMITED WARRANTY": Victor warrants that its products will be free of defects in workmanship or material. The use with any Victor product or replacement parts or accessories, which are not manufactured or distributed by Victor and which may affect product safety or performance, shall render this warranty and all other warranties, whether express or implied, null and void. Should any failure to conform to this warranty appear within three years after the initial delivery, Victor shall, upon notification thereof and substantiation that the product has been stored, maintained, and operated in accordance with Victor's recommendations and standard industry practice, correct such defects by suitable repair or replacement at its own expense.

THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY OF QUALITY, WHETHER EXPRESSED OR IMPLIED, EXCEPT OF TITLE AND AGAINST PATENT INFRINGEMENT. Correction of non-conformities, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of Victor to the Purchaser with respect to, or arising out of a Victor product, whether based on contract, negligence, strict tort or otherwise.

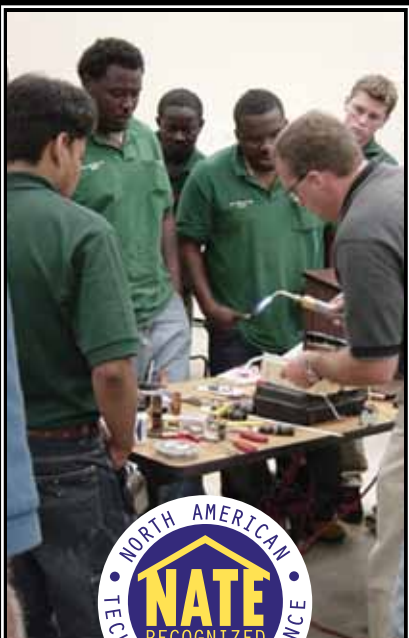
LIMITATION OF LIABILITY: Victor shall not under any circumstances be liable for special or consequential damages, such as, but not limited to, damage or loss of other property or equipment, loss of profits or revenue, cost of capital, cost of purchased or replacement goods, or claims of customers of Purchaser for service interruption. Any property damage or personal injury resulting from a Victor product, which contains replacement parts or accessories that affect the safety or performance of such product, shall be the responsibility of the purchaser and the supplier of such replacement parts or accessories and not the responsibility of Victor Equipment Company. The remedies of the Purchaser set forth herein are exclusive, and the liability of Victor with respect to any contract, or anything done in connection therewith such as the performance or breach thereof, or from the manufacture, sale, delivery, resale, or use of any goods covered by or furnished by Victor whether arising out of contract, negligence, strict tort or under any warranty, or otherwise, shall not except as expressly provided herein, exceed the price of the goods upon which such liability is based.

Thermadyne Industries, Inc. 800 Henrietta Creek, Roanoke, TX 76262
ATTN: Return Department

NOTE: All returns require authorization. Please call customer care for return authorization. Product data, materials, specifications and availability subject to change without notice.



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**TurboTorch® is proud to offer
our NATE Recognized Safety,
Product and Application
Training Course
(#1737-0001).**

Ask your Representative for details



A Global Cutting & Welding Market Leader™

U.S. Customer Care: 800-238-0282 / FAX 800-535-0557 • Canada Customer Care: 905-827-4515 / FAX 800-588-1714
International Customer Care: 940-381-1212 / FAX 940-483-8178

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