



Regulators / Cutting Torches

Two Stage Regulators Model 9296

The Model 9296 regulator is designed for applications where a constant delivery pressure is required over a wide range of inlet pressure. A standard for general purpose laboratory, industrial and welding applications where neoprene diaphragms are acceptable.

- 0-15, 0-50, 0-125 and 0-250 PSIG delivery pressure.
- Neoprene diaphragms for greater sensitivity.
- One-piece encapsulated seat design with an internal filter and PTFE Teflon® seats.
- Model 9296SS available with stainless steel diaphragms, call customer service for details.
- Tamper-proof, self reseating internal H.P. safety valve.
- Brass body.
- 2" dual scale gauges.
- Conforms to CGA E-4 standard for gas pressure regulators.
- 3 year warranty.



Part No.	Model No.	Gas	Maximum Inlet PSIG	Delivery Pressure		Supply Pressure	Outlet Connection
				Range PSIG	Gauge PSIG	Gauge PSIG	
3302600*	9296NC-15-300	Acetylene	500	0-15	30	400	9/16"-18 LH
3302601*	9296NC-15-510	Acet./fuel gas		0-50	60		
3302602	9296-50-510P	Propane		0-125	150		
3302604	9296-125-540	Oxygen	3000	0-250	400	4000	9/16"-18 RH
3302605	9296-250-540			0-125	150		5/8"-18 RH (F)
3302608	9296-125-580	Ar, He, N ₂		0-250	400		1/4" NPT (F)
3302609	9296-250-580						

* **Note:** Low pressure models designated with NC use a neoprene seat in the second stage for improved performance.



Metalcraft™ Hand Cutting Torches

- 9/16"-18 connections.
- 180° model.
- Built-in flash arrestors & reverse flow check valves.
- Cuts from 1/8" to 6".
- Uses series 1 cutting tips.
- 17" - 48" overall lengths.
- Two year warranty.



Part No. 0381-0750

Part No.	Torch Length	Model No.
0381-0876	36"	ST 932FC
0381-0879	48"	ST 952FC

Metalcraft™ Acetylene Tips

General purpose hand and machine torch cutting on clean plate.

- Medium preheats (6).
- Copper alloy.
- Victor tip style.



Part No.	Metal Thickness	Tip Series	Tip Type	Model No.
5407-4460	1/4"	1	101	1-101-00
5407-4461	1/2"	1	101	1-101-0
5407-4462	3/4"	1	101	1-101-1
5407-4463	1-1/2"	1	101	1-101-2
5407-4464	2"	1	101	1-101-3
5407-4465	4"	1	101	1-101-4
5407-4471	1/4"	3	101	3-101-00
5407-4472	1/2"	3	101	3-101-0
5407-4473	3/4"	3	101	3-101-1
5407-4474	1-1/2"	3	101	3-101-2
5407-4475	2"	3	101	3-101-3



Hose is made of Neoprene, both tube and cover. It is suitable for all welding fuel gases.

Cutting Equipment / Complete Outfits

300 Series Heavy-Duty Outfits

Designed for heavy-duty welding and cutting applications. The MetalCraft 300 series outfits provide heavy-duty performance in industrial and construction environments. This kit contains the basic components for general welding and cutting.

- Heavy-duty apparatus.
- Capacity: Cut up to 8" and weld up to 3" with proper tips.
- Attractive display box.
- Contents: WH-370FC-V handle, CA370V cutting attachment, 300 Series oxygen and acetylene regulators, 0-1-101 cutting tip, and 2 W welding tip.
- CGA 300 and 510 models.
- Deluxe models include 25' x 1/4' hose, goggles and striker.
- Standard models available.
- Made in the U.S.A.
- Two year warranty.



Part No.	Model No.	CGA	Type
0384-0770	350-510DLX	510	Deluxe
0384-0774	350-300DLX	300	Deluxe

200 Series Medium-Duty Outfits

MetalCraft 200 Series outfits are designed to meet your medium-duty welding and cutting applications in industry, home and trade environments. These kits contain the basic components needed for general welding and cutting.

- Medium-duty apparatus.
- Capacity: Cut up to 5" and weld up to 1-1/4" with proper tips.
- Attractive display box.
- Contents: WH-270FC-V handle, CA-270V cutting attachment, 250 Series oxygen and acetylene regulators, 0-3-101 cutting tip, and 0-W-1 welding tip.
- CGA 300.
- Deluxe models include 20' x 3/16' hose, goggles and striker.
- Standard models available.
- Made in the U.S.A.
- Two year warranty.



Part No.	Model No.	CGA	Type
0384-0720	250-510DLX	510	Deluxe
0384-0724	250-300DLX	300	Deluxe

100 Series Light-Duty Outfits

MetalCraft 100 Series outfits are designed to meet home and shop welding and cutting requirements for light-duty applications. These kits contain the basic apparatus for light-duty applications.

- Light-duty apparatus.
- Capacity: Cut up to 4" and weld up to 1" with proper tips.
- Attractive display box.
- Contents: WH-270FC-V handle, CA270V cutting attachment, 100 Series oxygen and acetylene regulators, 0-3-101 cutting tip, and 0-W-1 welding tip.
- CGA 300 and 510 models.
- Deluxe models include 12-1/2' x 3/16' hose, goggles and striker.
- Standard models available.
- Made in the U.S.A.
- Two year warranty.



Part No.	Model No.	CGA	Type
0384-0700	100-510DLX	510	Deluxe
0384-0701	100-510STD	510	Standard

Welding, Cutting and Heating Outfits

Welding, Cutting and Heating Outfits

Journeyman®

- CSR 450 series regulators with gauge guards.
- H315FC torch handle with built-in flashback arrestors and check valves.
- CA 2460 cutting attachment.
- W welding nozzles, Sizes: 1, 3, 5.
- MFA heating nozzle, Size 8.
- Series 1 cutting tip 1-1-101.
- T-Grade hose 25' x 1/4".
- Stainless panel toolbox.
- Multi-wrench, striker and tip cleaner.
- Soft sided shade 5 goggles.
- **Cuts up to 3/4"/19mm**
(8"/200mm with optional tips).
- **Welds up to 1/2"/12mm**
(3"/75mm with optional nozzles).



Journeyman II™

- CSR 450 series regulators with gauge guards.
- 315FC torch handle with built-in flashback arrestors and check valves.
- CA 2460 cutting attachment.
- W welding nozzle, Size: 2.
- Series 1 cutting tip 1-1-101.
- T-Grade hose 25' x 1/4".
- Stainless panel toolbox.
- Multi-wrench, striker and tip cleaner.
- Soft sided shade 5 goggles.
- **Cuts up to 3/4"/19mm**
(8"/200mm with optional tips).
- **Welds up to 3/4"/4mm**
(3"/75mm with optional nozzles).



SuperRange II™

- CSR 350 series regulators with gauge guards.
- 100FC torch handle with built-in flashback arrestors and check valves.
- CA 1350 cutting attachment.
- W-1 welding nozzle, Size: 2.
- Series 3 cutting tip.
- T-Grade hose 25' x 1/4".
- Stainless panel toolbox.
- Multi-wrench, striker and tip cleaner.
- Soft sided shade 5 goggles.
- **Cuts up to 1/2"/12mm**
(6"/150mm with optional tips).
- **Welds up to 1/4"/6mm**
(1-1/4"/31mm with optional nozzles).
- Available with size 6 MFA.



Performer®

- CSR 250 series regulators with gauge guards.
- 100FC torch handle with built-in flashback arrestors and check valves.
- CA 1350 cutting attachment.
- W-1 welding nozzle, Size: 0.
- Series 3 cutting tip 0-3-101.
- T-Grade hose 12-1/2' x 3/16".
- Stainless panel toolbox.
- Multi-wrench, striker and tip cleaner.
- Soft sided shade 5 goggles.
- **Cuts up to 1/2"/12mm**
(6"/150mm with optional tips).
- **Welds up to 1/4"/6mm**
(1-1/4"/31mm with optional nozzles).



Portable Torch™

- CSR 150 series regulators.
- 100FC torch handle with built-in flashback arrestors and check valves.
- CA 1350 cutting attachment.
- W-1 welding nozzle, Size: 1, 3, 5.
- Series 3 cutting tip 0-3-101.
- Includes 10' (3m) x 3/16" (5mm) T-Grade hose, goggles and lighter.
- **Cuts up to 1/2"/12mm**
(6"/150mm with optional tips)*.
- **Welds up to 1/4"/6mm**
(1-1/4"/31mm with optional nozzles)*.

* Requires sufficient acetylene & oxygen supply.





Welding and Cutting Outfits

Specification & Ordering Information

Part No.	Description	Torch Handle	Welding Nozzle	Cutting Attachment	Cutting Tip	Heating Nozzle	Oxygen Regulators	Fuel Gas Regulator	Accessories	Replaces
0384-2009	Journeyman®	H315FC	(W) 1,3,5	CA 2460	1-1-101	8-MFA	CSR 450D-540	CSR460A-510	"T" grade 25' x 1/4" hose, goggles & lighter	0384-2009
0384-2011	Journeyman®	H315FC	(W) 1,3,5	CA 2460	1-1-101	8-MFA	CSR 450D-540	CSR460A-300		0384-2011
0384-2020	Journeyman II™	315FC	(W) 2	CA 2460	1-1-101		CSR 450D-540	CSR460A-510		0384-2020
0384-2021	Journeyman II™	315FC	(W) 2	CA 2460	1-1-101		CSR 450D-540	CSR460A-300		0384-2021
0384-0834	SuperRange II™	100FC	(W-1) 2	CA 1350	0-3-101		CSR 350D-540	CSR360A-510		0384-0834
0384-0836	SuperRange II™	100FC	(W-1) 2	CA 1350	0-3-101		CSR 350D-540	CSR360A-300		0384-0836
0384-0839	SuperRange II™	100FC	(W-1) 2	CA 1350	0-3-101	6-MFA	CSR 350D-540	CSR360A-510		0384-0839
0384-0822	SuperRange II™	100FC	(W-1) 2	CA 1350	0-3-101	6-MFA	CSR 350D-540	CSR360A-300		-
0384-0865	Performer®	100FC	(W-1) 2	CA 1350	0-3-101		CSR 250C-540	CSR260A-510		"T" grade 12-1/2' x 3/16"
0384-0867	Performer®	100FC	(W-1) 2	CA 1350	0-3-101		CSR 250C-540	CSR260A-300	hose, goggles & lighter	0384-0867

Portable Torch Kit™ Ordering Information

Part No.	Description	Torch Handle	Welding Nozzle	Cutting Attachment	Cutting Tip	Heating Nozzle	Oxygen Regulators	Fuel Gas Regulator	Accessories
0384-0936	With cylinder	100FC	(W-1) 1, 3, 5	CA 1350	0-3-101	-	CSR 150CF-540	CSR 160AR (MC)	"T" grade 12-1/2' x 3/16"
0384-0935	Without cylinder	100FC	(W-1) 1, 3, 5	CA 1350	0-3-101	-	CSR 150CF-540	CSR 160AR (MC)	hose, goggles & lighter



Protect Yourself
by using both primary and secondary
eye protection.

Welding and Cutting Outfits

Journeyman® Alternative Fuel Cutting and Heating Outfit

The Journeyman® Alternative Fuel cutting and heating outfit includes the traditional Journeyman® components with changes to the fuel gas regulator, CSR461B-510; The heating tip, 8T55; and two cutting tips, one for use with propane or one for use with either propylene or MAPP® gas. The cutting and heating manual is specifically written for operation of alternative fuel gases.

- Regulators include gauge guards (450 series) and are specific for alternative fuel.
- 315FC torch handle with built in flashback arrestors and check valves.
- "T" Grade Hose, 1/4" x 25' dual line.
- Multi-wrench, striker.

Part No.	Torch Handle	Cutting Attachment	Multi-flame Heating Assembly	Cutting Tip (Propane)	Cutting Tip (Propylene or MAPP)	Oxygen Regulators	Fuel Gas Regulator
0384-2022	H315FC	CA2460	8-Type 55	1-GPN	1-1-303MP	CSR450D-540	CSR461B-510



Journeyman® "Select" Heavy-Duty Welding and Cutting Outfits

- CA 2460* cutting attachment.
- CSR 450 series regulators.
- No welding nozzle, cutting tip, heating nozzle or accessories included.
- **Welds up to 1/2"/12mm; and up to 3"/75mm with larger nozzles.**
- **Cuts up to 3/4"/19mm; and up to 8"/200mm with larger tips.**

Part No.	Torch Handle	Cutting Attachment	Oxygen Regulators	Fuel Gas Regulator
0384-0812	315FC	CA 2460	CSR 450D-540	CSR460A-510
0384-0813	315FC	CA 2461	CSR 450D-540	CSR460A-510
0384-0814	315FC	CA 2460	CSR 450D-540	CSR460A-300
0384-0816	315FC	CA 2460	CSR 450D-540	CSR461B-510LP



Model No. 315FC

CutSkill® Extra Heavy-Duty Welding and Cutting Outfits

- Series 1 cutting tip.
- WH370FC-V torch handle with built-in flashback arrestors and check valves.
- Toolbox.
- RM grade hose, lighter, and soft-sided goggles.
- **Cuts up to 3/4"/19mm (6"/153mm w/ optional tips).**
- **Welds up to 1/8"/3.2mm (3"/76mm w/ optional nozzles).**

Part No.	Torch Handle	Cutting Attachment	Oxygen Regulators	Fuel Gas Regulator
0384-2603	WH370FC-V	CA 370-V	CS 450-510	CS 460-510
0384-2604	WH370FC-V	CA 370-V	CS 450-300	CS 460-300
0384-2605	WH370FC-V	CA 370-V	CS 450-992	CS 460-993



Model No. CS450

CUTSKILL®



Welding and Cutting Outfits

"Cutter Select™" Cutting Outfits

Part No.	Description	Head Angle	Oxygen Regulators	Fuel Gas Regulator	Fuel Gas
0384-0847	ST2600FC	21° 90°	CSR 450D-540	CSR 460A-510	Acetylene
0384-0848	ST2600FC	21° 90°	CSR 450D-540	CSR 460A-300	Acetylene
0384-0849	ST2601FC	21° 75°	CSR 450D-540	CSR 460A-510	Acetylene
0384-0850	ST2601FC	21° 75°	CSR 450D-540	CSR 460A-300	Acetylene
0384-0851	ST2600FC	21° 90°	CSR 450D-540	CSR 461B-510	Propane/Natural Gas, Propylene, MAPP®
0384-0853	ST900FC	21° 90°	CSR 350D-540	CSR 360A-510	Acetylene
0384-0854	ST900FC	21° 90°	CSR 350D-540	CSR 360A-300	Acetylene
0384-0855	ST901FC	21° 75°	CSR 350D-540	CSR 360A-510	Acetylene
0384-0856	ST901FC	21° 75°	CSR 350D-540	CSR 360A-300	Acetylene
0384-0857	ST900FC	21° 90°	CSR 350A-540	CSR 361B-510	Propane/Natural Gas, Propylene, MAPP®
0384-0859	ST1000FC	21° 90°	CSR 350D-540	CSR 360A-510	Acetylene
0384-0860	ST1000FC	21° 90°	CSR 350D-540	CSR 360A-300	Acetylene
0384-0863	ST1000FC	21° 90°	CSR 350D-540	CSR 361B-510	Propane/Natural Gas, Propylene, MAPP®

*Available with 75° or 90° head angle depending on you needs.



Model No. ST2600 FC

- ST2600FC* cutting torch.
- CSR 450 series regulators.
- Cuts up to 8"/203mm with accessories.



Model No. ST1000 FC

- ST1000FC cutting torch.
- CSR 350 series regulators.
- Cuts up to 5"/127mm with accessories.



Model No. ST900 FC

- ST900FC* cutting torch.
- CSR 350 series regulators.
- Cuts up to 5"/127mm with accessories.

FirePower® Welding and Cutting Outfits

Heavy-Duty

- Series 1 cutting tip.
- WH370FC-V torch handle with built-in flashback arrestors and check valves.
- 2-UM welding nozzle.
- 1/4" x 25' "R" grade hose, lighter, and goggles.
- Cuts up to 3/4"/19mm (5"/127mm w/ optional tips).
- Welds up to 1/8"/3.2mm (3"/76mm w/ optional nozzles).

Medium Duty

- Series 3 cutting tip.
- WH270FC-V torch handle with built-in flashback arrestors and check valves.
- 0-UM welding nozzle.
- 3/16" x 12.5' "R" grade hose, lighter, and goggles.
- Cuts up to 1/2"/12.7mm (3"/76.2mm w/ optional tips).
- Welds up to 5/64"/1.98mm (3"/76mm w/ optional nozzles).



Part No.	Torch Handle	Cutting Attachment	Oxygen Regulators	Fuel Gas Regulator
Heavy Duty				
0384-2652	WH370FC-FS	CA350-FS	RF350-125-540	RF350-15-540
0384-2650	WH370FC-FS	CA350-FS	RF350-125-540	RF350-15-300
0384-2651	WH370FC-FS	CA350-FS	RF350-125-992	RF350-15-993
Medium Duty				
0384-2551	WH270FC-FS	CA250-FS	RF250-80-540	RF250-15-510
0384-2550	WH270FC-FS	CA250-FS	RF250-80-540	RF250-15-300



Model No. FP350-510FC
Heavy-Duty



Model No. FP250-510FC
Medium-Duty

Torch Handles & Cutting Attachments - Heavy-Duty

300 Series Torch Handles - Heavy Duty

Use with All Fuel Gases

A new dimension in operator safety! Victor torch handles are available with VanGuard™ safety features:

- Built-in flashback arrestors - no need for accessory flash arrestors.
- Built-in reverse flow check valves.
- Works with all fuel gases. There are pressure restrictions for different gases.
- All Victor® torch handles with “B” size fittings are equipped with built-in reverse flow check valves along with built-in flashback arrestors.

Outfits with 315FC Series Torch Handles

- Journeyman® “Select”
- Journeyman II™

Outfits with H315FC Series Torch Handles

- Journeyman®

VanGuard™ Heavy Duty

Part No.	Model No.	Description	Hose Connection	Gas	Weight	Length
0382-0034	315FC	Boxed	9/16"-18	All	18 oz.	9"



Model No. 315FC

High Flow Torch Handle

Part No.	Model No.	Description	Hose Connection	Gas	Weight	Length
0382-0316	H315FC	Boxed	9/16"-18	All	18 oz.	9"



Model No. H315FC

Cutting Attachments - Heavy Duty

Use with 300 Series Torch Handles

- Die-forged brass head.
- Spiral mixer blends oxygen & fuel.
- Smooth cutting valve (push type).
- Stainless steel tubes.
- Brass coupling nut & double “O” ring tapered seal gives quick gas-tight seal without a tightening wrench.
- Length 10-1/2" - Weight 32 oz. (.99 kg).

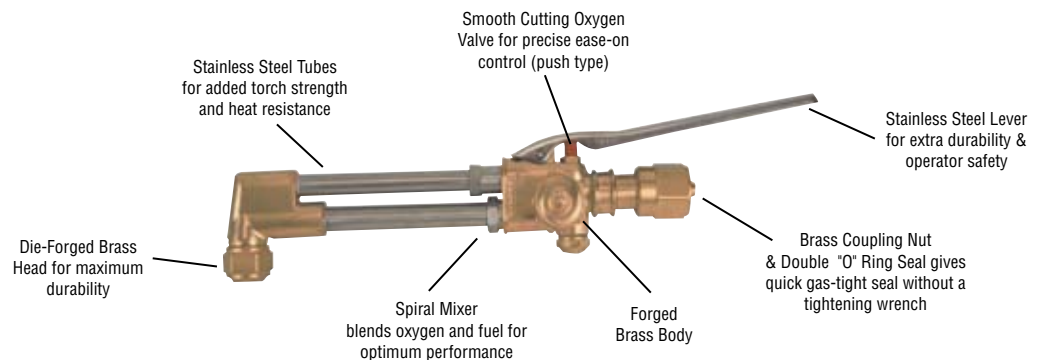
Outfits with 2460 Series Cutting Attachments

- Journeyman®
- Journeyman® Select™
- Journeyman II™

Part No.	Model No.	Cutting Range	Tip Series	Head Angle
0381-0816	CA2460	8"/200 mm	1	90°
0381-0817	CA2461	8"/200 mm	1	75°
0381-0818	CA2462	8"/200 mm	1	180°

Fuel Gas Usage: Can be used with **all fuel gases** with the proper cutting tip.

Design and Construction





Torch Handles & Cutting Attachments - Heavy-Duty

FirePower® Torch Handle - Heavy-Duty

- Built-in reverse flow check valves and flashback arrestors.
- Victor tube within a tube design.
- Three piece “Y” rear assembly with threaded connection.
- 9/16" x 18 hose connections.
- Stainless steel ball valves.
- One year warranty.



Part No.	Model No.	Hose Description
0382-0136	WH370FC-FS	Clamshell



Model No. WH370FC-FS

FirePower® Cutting Attachment - Heavy-Duty

- CA 350-FS 5"/127mm capacity with proper tip series 1.
- Universal mixer.
- Triangular tube design.
- Stainless steel cutting oxygen lever and ball valve.
- One year warranty.



Part No.	Model No.	Hose Description	Cutting Range	Tip Series	Head Angle
0381-0744	CA350-FS	Clamshell	6"/150mm	1-101	90°



Model No. CA350-FS



Quality, Reliability... Guaranteed!

When you choose Firepower® you can be sure you're getting premium quality tools and equipment with a proven record of superior performance and dependability.

Torch Handles & Cutting Attachments - Medium-Duty

100 Series Torch Handles - Medium Duty

Use with All Fuel Gases

Victor® torch handles cover the full range of welding, cutting and heating needs.

A new dimension in operator safety!

VanGuard™ safety features:

- Built-in flashback arrestors-no need for accessory flashback arrestors.
- Built-in reverse flow check valves.
- Works with all fuel gases. There are pressure restrictions for different gases.
- Features Victor's® traditional threaded assemblies for quick economical repair.

Outfits with 100FC Series Torch Handles

- Super Range® II
- Performer®
- Portable Torch

Part No.	Model No.	Hose Description	Connection	Gas	Weight	Length
0382-0032	100FC	Boxed	9/16"-18	All	14 oz.	8-1/2"

*All Victor® Torch Handles with "B" size fittings are equipped with built-in reverse flow check valves and built-in flashback arrestors.

**The shape of the Torch Handle is a registered trademark of Victor® Equipment.



Model No. 100FC

Cutting Attachments - Medium Duty

Use with 100FC Series Torch Handles

- Die-forged brass head.
- Spiral mixer blends oxygen & fuel.
- Smooth cutting valve (pull type).
- Stainless steel tubes.
- Brass coupling nut & double "O" ring tapered seal gives quick gas-tight seal tightening without a wrench.
- Length 8" (203.20 mm) - Weight 13 oz. (.40 kg).

Outfits with 100FC Series Cutting Attachments

- Super Range® II
- Performer®
- Portable Torch

Part No.	Model No.	Hose Description	Cutting Range	Tip Series	Head Angle
0381-0418	CA1350	Boxed	6"/150 mm	3	90°
0381-0420	CA1351	Boxed	6"/150 mm	3	75°
0381-0421	CA1352	Boxed	6"/150 mm	3	180°

*Fuel Gas Usage: Can be used with all fuel gases and series 3 cutting tips..

**The shape of the Torch Handle is a registered trademark of Victor® Equipment.



Model No. CA 1350

FirePower® Torch Handle - Medium-Duty

- Built-in reverse flow check valves and flashback arrestors.
- Victor tube within a tube design.
- Three piece "Y" rear assembly with threaded connection.
- 9/16" x 18 hose connections.
- Stainless steel ball valves.
- One year warranty.



Part No.	Model No.	Hose Description
0382-0143	WH270FC-FS	Clamshell



Model No. WH270FC-FS



Torch Handles & Cutting Attachments - Medium & Light-Duty

FirePower® Cutting Attachment - Medium-Duty

- Universal mixer.
- Triangular tube design.
- Stainless steel cutting oxygen lever and ball valve.
- One year warranty.



Part No.	Model No.	Hose Description	Cutting Range	Tip Series	Head Angle
0381-0740	CA250-FS	Clamshell	3"/76.2mm	3-101	90°



Model No. CA250-FS

J Series Torch Handles - Light Duty

For All Fuel Gases

- Cover the full range of welding, cutting and heating needs.
- Choose from patented standard models.
- Performance matched cutting attachments are available for each torch handle series.

Part No.	Model No.	Hose Connection	Gas	Weight	Length
0382-0006	J-40	3/24"-18	All	5-1/2 oz.	3-3/4"
0382-0127	J-28*	3/24"-18	All	8-1/2 oz.	6"

*J-28 Torch includes accessory reverse flow check valves for regulator use.

**The shape of the Torch Handle is a registered trademark of Victor® Equipment Company



Model No. J-40



Model No. J-28

Cutting Attachments - Light Duty

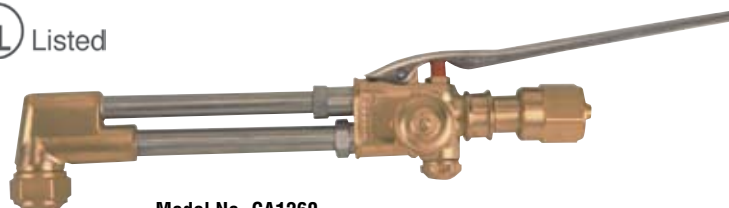
For Use with J Series Torch Handles

- Die-forged brass head.
- Spiral mixer blends oxygen & fuel.
- Smooth cutting valve (Pull Type).
- Stainless steel tubes.
- Brass coupling nut & double "O" ring seal gives quick gas-tight seal tightening without a wrench.
- Length 8" (203.20 mm) - Weight 13 oz. (.40 kg).

Part No.	Model No.	Cutting Range	Tip Series	Head Angle
0381-0162	CA1260	3"/75 mm	3	90°

*Fuel Gas Usage: Can be used with **all fuel gases** & Series 3 cutting tips.

**The shape of the cutting attachment is a registered trademark of Victor® Equipment Company.



Model No. CA1260

Heating Nozzles - Heavy-Duty

Multi-Flame Heating Nozzles - Heavy-Duty

For Use with 315FC, H315FC, HD310C Series Torch Handles

Model Type 55

For All Fuel Gases Except Acetylene



Model Type 55

Part No.	Size	Application and Description
0323-0328	8	High capacity heating head.
0323-0324	10*	Sizes 10, 15, & 20
0323-0325	15*	
0323-0326	20*	Use HD 310C (length 28") series torch handle & 3/8" hose.

*Use HD310C Torch Handle with 3/8" hose (length up to 50').

Type 55 Components

Part No.	Application/Description	Available Size	Available Length	Available Angles
0311-0241	Multi-Flame Heads (Only)	8	-	-
0311-0230		10	-	-
0311-0231		15	-	-
0311-0232		20	-	-
0304-0094	Multi-Flame Elbows	-	28"	180°
0304-0011		-	26"	65°

Mixer and nut assembly, for pressures from 10 PSIG and up. **Part No. 0328-0012**

Model MFA

Acetylene or Hydrogen



Model No. MFA

Part No.	Size	Application and Description
0323-0250	4	Multi-flame heating head for heat treating, straightening & priming.
0323-0251	6	
0323-0252	8	
0323-0260	10	
0323-0261	12*	
0323-0262	15*	

*Use model HD310C torch handle and 3/8" hose.

Model MFN

Propane & Natural Gas



Model No. MFN

Part No.	Size	Application and Description
0323-0292	8	Multi-flame heating head for pre-heating, priming, straightening, etc.
0323-0302	10	
0323-0303	12*	
0323-0304	15*	Sizes 4-8 (length 12") Sizes 10-15 (length 17-1/2")
0323-0305	20*	

*Use model HD310C torch handle and 3/8" hose.

WARNING

Use add-on flashback arrestors

The high capacity torches as noted are designed for heavy applications found in such industries as scrapping, demolition, and foundries. Due to the capacity and/or design of each torch, flashback arrestors are not manufactured into these Victor® heavy industry torches. To reduce the risk of personal injury, death and/or property damage, use sufficient capacity flashback arrestors with all Victor® heavy industry torch products. Alternative fuel gas only refers to propane, natural gas, propylene gases and MAPP®. Acetylene, hydrogen, and gasoline are NOT included as an alternative gas.

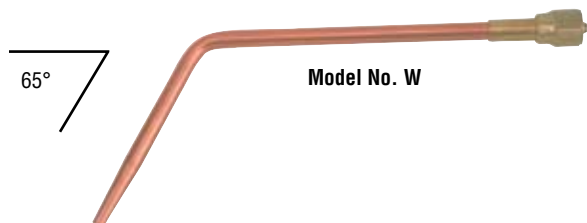
Welding Nozzles - Heavy-Duty / Heating Nozzles - Medium-Duty

Multi-Flame Welding Nozzles - Heavy-Duty

For Use with 300 Series Torch Handles

Model W

Acetylene and Hydrogen



Part No.	Size	Application and Description
0323-0110	000	One piece copper elbow tip.
0323-0111	00	
0323-0112	0	
0323-0120	1	Long cone flame.
0323-0121	2	
0323-0122	3	General purpose welding & preheating.
0323-0130	4	
0323-0131	5	
0323-0132	6	
0323-0140	7	Boxed packaging on all.
0323-0141	8	
0323-0142	10	

Heating Nozzles - Medium-Duty

Use with 100 Series Torch Handles

Model MFA-1

Acetylene or Hydrogen



Part No.	Size	Application and Description
0324-0108	2	Multi-flame heating head for pre-heating, priming & straightening Sizes 2, 4, 6, 8 (length 12")
0324-0109	4	
0324-0110	6	
0324-0111	8	

Model MFN-1

Natural Gas & Propane



Part No.	Size	Application and Description
0324-0117	6	Multi-flame heating head for pre-heating, priming, straightening, etc. (length 12")

Model W-1



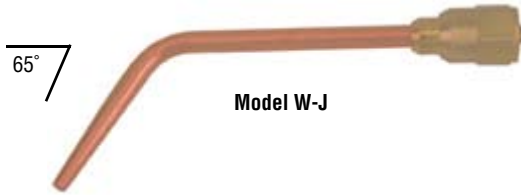
Part No.	Size	Application & Description
0324-0068	000	General purpose welding & pre-heating.
0324-0069	00	
0324-0070	0	
0324-0071	1	One piece copper elbow tip
0324-0072	2	
0324-0073	3	Long cone flame
0324-0074	4	
0324-0075	5	Sizes 000-7 (length 4-1/2")
0324-0076	6	
0324-0077	7	

Welding Nozzles - Light-Duty

Welding Nozzles - Light-Duty For Use with J Series Torch Handles

Model W-J

Acetylene and Hydrogen



Part No.	Size	Application and Description
0325-0082	00	General purpose welding & pre-heating.
0325-0083	0	
0325-0084	1	One piece copper elbow tip
0325-0085	2	
0325-0086	3	Long cone flame
0325-0087	4	

W-J (Elbow Only)



Part No.	Size	Application and Description
0311-0124	00	General purpose welding & pre-heating.
0311-0125	0	
0311-0126	1	One piece copper elbow tip
0311-0127	2	
0311-0128	3	Long cone flame

Multi-Flame Heating Nozzle Data

Note: Approximate Gross BTU Content Per Cubic Foot.	
Acetylene	1470
Propane	2498
Methane	1000
Natural Gas	1000
Butane	3374
MAPP®	2406
Propylene	2371

Note: Type 55 nozzles NOT for use with ACETYLENE

WARNING: At no time should the withdrawal rate of an individual acetylene cylinder exceed 1/7 of the cylinder contents per hour. If additional flow capacity is required use an acetylene manifold system of sufficient size to supply the necessary volume.

Type 55 For Use with All Gases Except Acetylene

Tip Size	Oxygen Pressure (PSIG)	Fuel Pressure (PSIG)	Oxygen Consumption	Fuel Consumption (SCFH)	BTU per Hour
6	70/80	15/20	160	65	See chart
8	70/85	15/25	220	85	
10*	70/100	15/25	350/460	150/200	
15*	90/120	20/35	600/350	250/350	
20*	100/150	30/50	900/1150	400/500	

Type MFA & MFA-1 For Use with Acetylene

Tip Size	Oxygen Pressure (PSIG)	Fuel Pressure (PSIG)	Oxygen Consumption	Fuel Consumption (SCFH)	BTU per Hour
2	4/8	4/8	3/10	3/9	See chart
4	8/12	6/10	7/22	6/20	
6	10/15	8/12	15/44	14/40	
8*	20/30	10/15	33/88	30/80	
10	30/40	12/15	44/110	40/100	
12*	50/60	12/15	66/165	60/150	
15*	50/60	12/15	99/244	90/220	

Type MFN & MFN-1 For Use with Natural Gas & Propane

Tip Size	Oxygen Pressure (PSIG)	Fuel Pressure (PSIG)	Oxygen Consumption	Fuel Consumption (SCFH)	BTU per Hour
6	8/20	2/10	20/80	5.5/20	See chart
8	10/20	10/15	40/140	10/35	
10	10/30	12/20	80/320	20/80	
12*	30/125	15/25	200/800	50/200	
15*	30/125	15/25	200/800	50/200	
20*	40/135	15/25	300/1000	75/250	

* Use Model HD 310C torch handle and 3/8" hose



Special Application Accessories - Heavy, Medium & Light-Duty

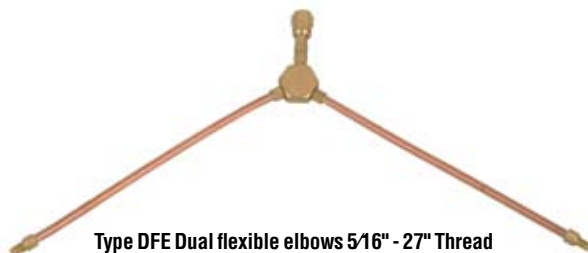
Multi-Gas Accessories

Part No.	Torch Series	Type	Fuel Gas Usage	Application and Description
0323-0192	300*	DFE	Multi-Gas Fuel Service	Dual flexible elbow nozzle assembly for special welding, heating, brazing needs. Uses replaceable tip ends.
0324-0092	100**	DFE-1	Multi-Gas Fuel Service	Dual flexible elbow nozzle assembly for special welding, heating, brazing needs. Uses replaceable tip ends.
0323-0242	300*	UN	Multi-Gas Fuel Service	Standard bend nozzle for welding, heating, and brazing. Uses replaceable tip ends.
0325-0101	J***	UN-J	Multi-Gas Fuel Service	Standard bend nozzle for welding, heating, and brazing. Uses replaceable tip ends.

*Use with 315FC, HD310C

**Use with 100FC Torch Handles

***Use with J-28 Torch Handle



Type DFE Dual flexible elbows 5/16" - 27" Thread



Type UN Length 5" - 5/16" - 27" Thread

Oxy-Acetylene Universal Mixer Nozzle

Part No.	Torch Series	Type	Fuel Gas Usage	Application and Description
0323-0191	300*	FE	Multi-Gas Fuel Service	Flexible elbow for special welding, brazing, & heating needs. Multi-fuel gas service. Uses replaceable tip ends.
0324-0066	100**	FE-1	Multi-Gas Fuel Service	Flexible elbow for special welding, brazing, & heating needs. Multi-fuel gas service. Uses replaceable tip ends.
0323-0329	300*	0-UM-350	Oxy-Acetylene	Oxy-Acetylene universal mixers used with exact performance & individual nozzles are not needed. Uses replaceable tip ends.
0328-0005	100*	4-UM-1	Oxy-Acetylene	Oxy-Acetylene universal mixers used with exact performance & individual nozzles are not needed. For use with replaceable elbow tips; Type ET

*Use with 315FC, HD310C

**Use with 100FC Torch Handles



Type FE Length 11-1/2" - 5/16"-27" Thread



Type UM Length 2-1/2"

Straight Cutting Torches & Cutting Machine Reference Guide

Torch Model	Tip Usage		Fuel Gas Usage	Cut Capacity
"FC" Models				
ST2600FC VanGuard™	Series 1		Any Fuel Gas	1/8"/3.25mm to 8"/203mm
ST1000FC VanGuard™	Series 1		Any Fuel Gas	1/8"/3.25mm to 5"/127mm
ST900FC VanGuard™	Series 1		Any Fuel Gas	1/8"/3.25mm to 5"/127mm
CST800FC VanGuard™	Series 3		Any Fuel Gas	1/8"/3.25mm to 4"/102mm
Machine Torches				
MT 200	2 Hose	Series 1	LP/NG**, ACET.*	7"/179 mm
MT 300	3 Hose	Series 1	LP/NG**, ACET.*	12"/305mm
MT 1065	3 Hose	Series 1	ACET.	7"/179 mm
MT 5	3 Hose	Series 1	ALL	7"/179 mm
Mill & Foundry Torches				
HC 1400 ⚠	Series HDNL		Butane, Propane, NG	30"/76.2 mm
HC 1500 ⚠	Series 2-285N		NG, Propane	48"/1230 mm
Cutting Machines			Length	Circle
VCM 200			72"/1.83 m	96"/2.44 m
Auto 24			2' x 2' 600 mm x 600 mm	
* May also be used on other pressurized gases				
** May also be used on other fuel gases except acetylene				



On the job... the proper tools
CAN make
all the difference.

⚠ WARNING

Use add-on flashback arrestors

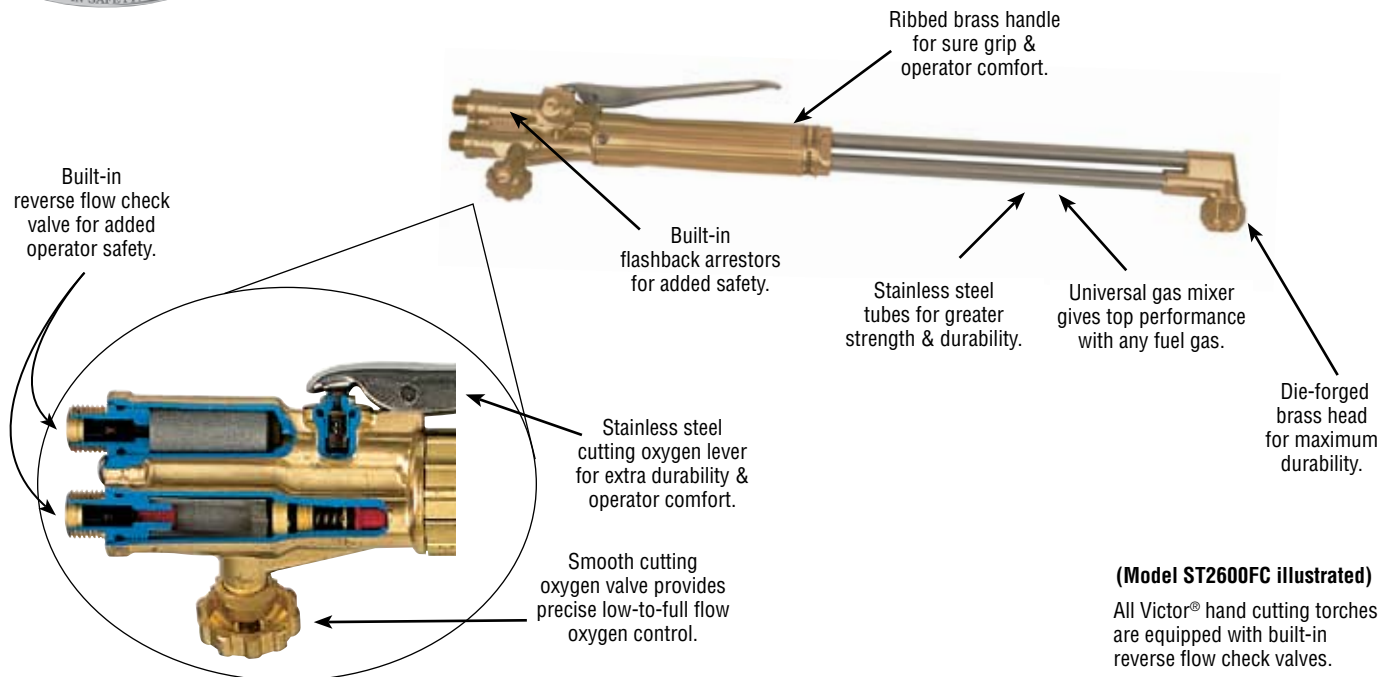
The high capacity torches as noted are designed for heavy applications found in such industries as scrapping, demolition, and foundries. Due to the capacity and/or design of each torch, flashback arrestors are not manufactured into these Victor® heavy industry torches. To reduce the risk of personal injury, death and/or property damage, use sufficient capacity flashback arrestors with all Victor® heavy industry torch products. Alternative fuel gas only refers to propane, natural gas, propylene gases and MAPP®. Acetylene, hydrogen, and gasoline are NOT included as an alternative gas.



Hand Cutting Torches

Hand Cutting Torches

Victor® “Universal Torches” combine the spiral and injector principles. The result is a high performance torch that operates on any fuel gas. Universal torch cutting capacity from 1/8" to 12".



(Model ST2600FC illustrated)
All Victor® hand cutting torches are equipped with built-in reverse flow check valves.

Model ST 2600FC VanGuard™ Series

A New Dimension in Operator Safety!

Victor Torch Handles are available with VanGuard™ safety features:

- Built-in flashback arrestors. No need for accessory flash arrestors.
- Built-in reverse flow check valves.
- Works with all fuel gases. There are pressure restrictions for different gases. VanGuard™ torch handles also feature Victor® traditional threaded assemblies for quick economical repair if service is necessary.
- For use with any fuel gas.
- Uses series 1 cutting tips.
- Cutting capacity 1/8"/3.25 mm to 12"/305 mm.
- Includes built-in patented flashback arrestors and reverse flow check valves for added safety.

Outfits with “FC” Models VanGuard™ Series Cutter® “Select”™

Part No.	Model No.	Lever Position	Tip Series	Head Angle	Length
0381-1486	SST 2600FC	Top rear	1	90°	17"/43cm
0381-1487	SST 2601FC	Top rear	1	75°	17"/43cm
0381-1480	ST 2600FC	Top rear	1	90°	21"/53cm
0381-1482	ST 2601FC	Top rear	1	75°	21"/53cm
0381-1484	ST 2602FC	Top rear	1	180°	21"/53cm
0381-1496	ST 2630FC	Top rear	1	90°	36"/91cm
0381-1498	ST 2631FC	Top rear	1	75°	36"/91cm
0381-1500	ST 2632FC	Top rear	1	180°	36"/91cm
0381-1502	ST 2650FC	Top rear	1	90°	48"/122cm
0381-1503	ST 2651FC	Top rear	1	75°	48"/122cm
0381-1504	ST 2652FC	Top rear	1	180°	48"/122cm
0381-1506	ST 2670FC	Top rear	1	90°	72"/184cm
0381-1508	ST 2671FC	Top rear	1	75°	72"/184cm
0381-1510	ST 2672FC	Top rear	1	180°	72"/184cm

Note: Other torch models available. Ask for details.

Hand Cutting Torches

Model ST 1000FC VanGuard Series

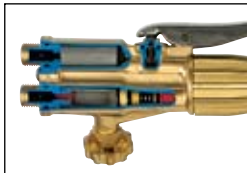
Victor® Torch Handles are available with VanGuard™ safety features:

- Built-in flashback arrestors no need for accessory flash arrestors.
- Built-in reverse flow check valves.
- Works with all fuel gases. There are pressure restrictions for different gases. VanGuard™ torch handles also feature Victor traditional threaded assemblies for quick economical repair if service is necessary.
- For use with any fuel gas.
- Uses series 1 cutting tips.
- Cutting capacity 1/8"/3.25 mm to 5"/127 mm.
- Includes built-in patented flashback arrestors and reverse flow check valves for added safety.

Outfits with "FC" Models VanGuard™ Series
Cutter® "Select™"

Part No.	Model No.	Lever position	Tip Series	Head Angle	Length
0381-1640	SST 1000FC	Bottom rear	1	90°	17"/43cm
0381-1642	SST 1001FC	Bottom rear	1	75°	17"/43cm
0381-1641	ST 1000FC	Bottom rear	1	90°	21"/53cm
0381-1643	ST 1001FC	Bottom rear	1	75°	21"/53cm
0381-1644	ST 1030FC	Bottom rear	1	90°	36"/91cm
0381-1645	ST 1031FC	Bottom rear	1	75°	36"/91cm
0381-1646	ST 1032FC	Bottom rear	1	180°	36"/91cm
0381-1647	ST 1050FC	Bottom rear	1	90°	48"/122cm
0381-1648	ST 1051FC	Bottom rear	1	75°	48"/122cm

Note: Other torch models available. Ask for details.



Model No. ST 1000FC

Model ST 900FC VanGuard Series

Victor® torch handles are available with VanGuard™ safety features:

- Built-in flashback arrestors no need for accessory flash arrestors
- Built-in reverse flow check valves.
- Works with all fuel gases. There are pressure restrictions for different gases. VanGuard™ torch handles also feature Victor® traditional threaded assemblies for quick economical repair.
- For use with any fuel gas, 5 PSIG and above.
- Uses series 1 cutting tips.
- Hose connections are 9/16"-18" unless noted.
- Cutting capacity 1/8"/3.25 mm to 5"/127 mm.
- Includes built-in patented flashback arrestors and reverse flow check valves for added safety.

Outfits with "FC" Models VanGuard™ Series
Cutter® "Select™"

Part No.	Model No.	Lever Position	Tip Series	Head Angle	Length
0381-1620	SST 900FC	Top rear	1	90°	17"/43 cm
0381-1622	SST 901FC	Top rear	1	75°	17"/43 cm
0381-1621	ST 900FC	Top rear	1	90°	21"/53 cm
0381-1623	ST 901FC	Top rear	1	75°	21"/53 cm
0381-1624	ST 930FC	Top rear	1	90°	36"/91 cm
0381-1625	ST 931FC	Top rear	1	75°	36"/91 cm
0381-1626	ST 932FC	Top rear	1	180°	36"/91 cm
0381-1629	ST 950FC	Top rear	1	90°	48"/122 cm
0381-1630	ST 951FC	Top rear	1	75°	48"/122 cm



Model No. ST 900

Model CST 800FC VanGuard Series

Victor® torch handles are available with VanGuard™ safety features:

- Built-in flashback arrestors no need for accessory flash arrestors.
- Works with all fuel gases. There are pressure restrictions for different gases. VanGuard™ Torch handles also feature Victor® traditional threaded assemblies for quick economical.
- For use with any fuel gas, 2 PSIG and above.
- Cutting capacity 1/8"/3.25 mm to 4"/102mm.
- Built-in reverse flow check valves.
- Uses series 3 cutting tips.
- Hose connections are 9/16"-18".

Part No.	Model No.	Lever Position	Tip Series	Head Angle	Length
0381-0392	CST 800FC	Top front	3	90°	17"/43cm



Model No. CST 800FC



Machine Cutting Torches

Machine Cutting Torches

Models MT 200 & MT 300 Series

Victor® machine torches are available in two and three hose versions. Two hose torches are available in 4-1/2", 10" and 18" models, and three hose torches are available in 10" and 18" models. Three hose torches are high performance "straight through" design that minimizes turbulence and improves cut quality. Accessory reverse flow check valves are supplied for use at the torches inlet connection. All machine torches use series 1 cutting tips.

Model MT 200 Series - 2 Hose Torches

Part No.	Model No.	Total Length	Barrel Length	Racking Length	Gas	Cutting Capacity
0380-0215	MT 204A	8-1/2"/203 mm	4-1/2"/104 mm	N/A	ACET*	7"/176 mm
0380-0217	MT 210A	14"/355 mm	10"/252 mm	7"/176 mm	ACET*	7"/176 mm
0380-0216	MT 210N	14"/355 mm	10"/252 mm	7"/176 mm	LP/NG**	7"/176 mm

Model MT 300 Series - 3 Hose Torches

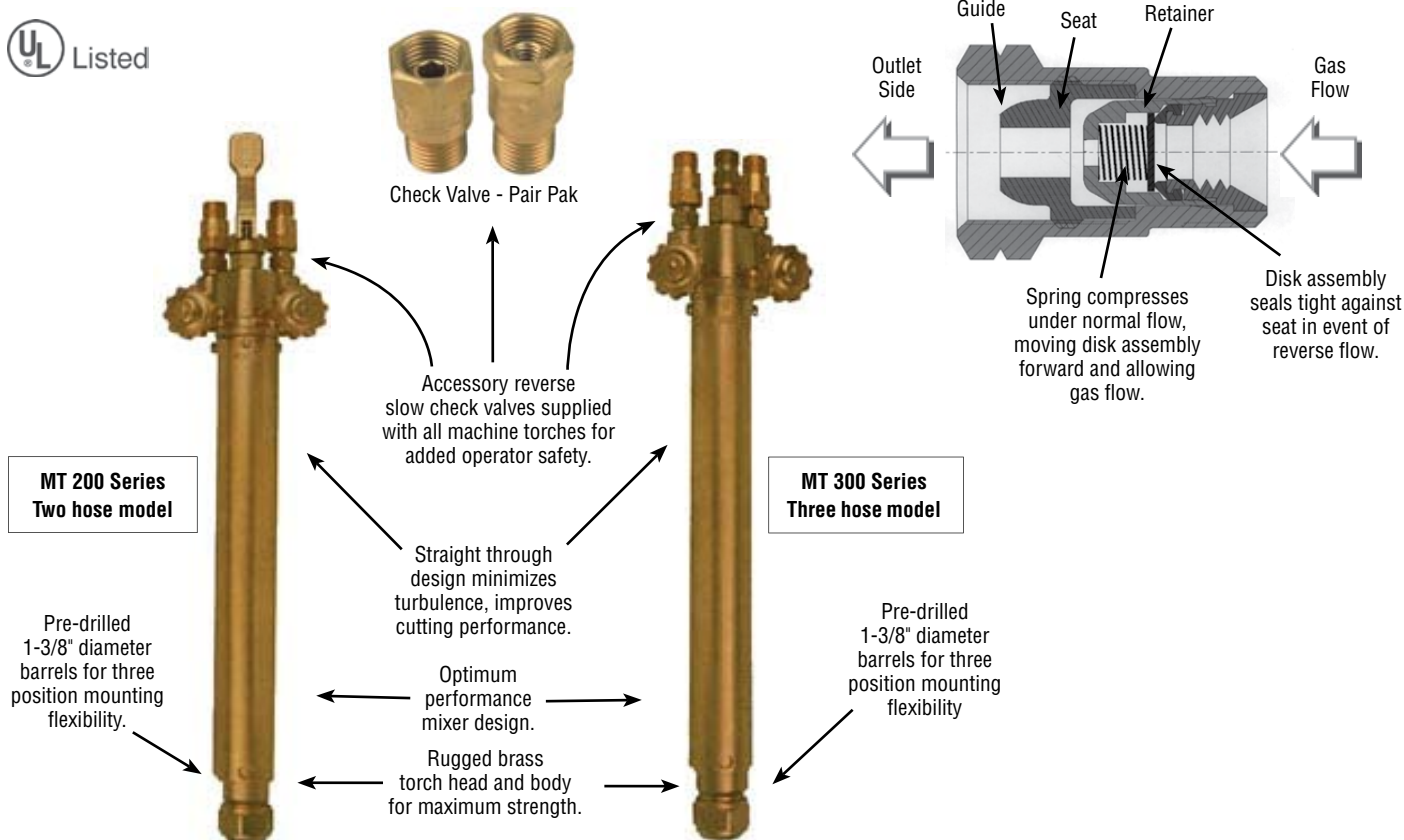
Part No.	Model No.	Total Length	Barrel Length	Racking Length	Gas	Cutting Capacity
0380-0222	MT 310A	14"/355 mm	10"/252 mm	7"/180 mm	ACET*	12"/305 mm
0380-0220	MT 310N	14"/355 mm	10"/252 mm	7"/180 mm	LP/NG**	12"/305 mm
0380-0221	MT 310NV	14"/355 mm	10"/252 mm	7"/180 mm	LP/NG**	12"/305 mm
0380-0223	MT 310AV	14"/355 mm	10"/252 mm	7"/180 mm	ACET*	12"/305 mm
0380-0227	MT 318A	22-1/2"/585 mm	18"/460 mm	15"/375 mm	ACET	12"/305 mm
0380-0228	MT 318AV	22-1/2"/585 mm	18"/460 mm	15"/375 mm	ACET*	12"/305 mm
0380-0225	MT 318N	22-1/2"/585 mm	18"/460 mm	15"/375 mm	LP/NG**	12"/305 mm
0380-0226	MT 318NV	22-1/2"/585 mm	18"/460 mm	15"/375 mm	LP/NG**	12"/305 mm

*May also be used on other pressurized fuel gases

**May also be used on other fuel gases except acetylene

Other machine torch models available. Gear racks: Must be ordered separately!

V=Valve on Cutting Oxygen - 9/16"-18" Inlet



Torch Handles / Cutting Attachments

Cutskill® Torch Handles

Cutskill® heavy duty apparatus for welding, cutting, and heating. Torch handles include reverse flow check valves and built-in flashback arrestors for added operator safety.

CUTSKILL®

WH 370FC-V Torch Handle - Heavy Duty

- Heavy duty apparatus.
- 9/16" - 18" connections.
- Built-in check valves & flash arrestors.
- Tube within a tube design.
- Three piece design "Y" assembly with threaded connections.
- Capacity: welds to 3"/7.6cm with proper nozzle (W).
- Two year warranty.



Model No. WH 370FC-V

Listed

Part No.	Model No.	Weight	Length	Description
0387-2750	WH 370FC-V	18 oz.	9"	Heavy Duty

WH 270FC-V Torch Handle - Medium Duty

- Medium duty apparatus.
- 9/16" - 18" connections.
- Built-in check valves & flash arrestors.
- Tube within a tube design.
- Three piece design "Y" assembly with threaded connections.
- Capacity: welds to 1-1/4"/3.1cm with proper nozzle (W-1).
- Two year warranty.



Model No. WH 270FC-V

Listed

Part No.	Model No.	Weight	Length	Description
0387-2700	WH 270FC-V	16 oz.	8-1/2"	Medium/Light Duty

Cutskill® Cutting Attachments

Heavy and medium duty cutting attachments for use with acetylene, propane, butane, liquid air fuel gases, MAPP®, natural gas (2 PSIG or more), propylene & hydrogen

CUTSKILL®

CA 370-V Cutting Attachments - Heavy Duty

- Capacity: CA-370-V, cut to 6"/150 mm with proper tip, Series 1.
- 90° head.
- Universal mixer.
- Ease-on cutting oxygen.
- Two year warranty.



Model No. CA 370-V

Listed

Part No.	Model No.	Weight	Length	Tips	Cuts	Use With
0387-2650	CA 370-V	32 oz.	10-1/2"	Series 1	6"	0387-2750

CA 270-V Cutting Attachments - Medium Duty

- Capacity: CA-270-V, Cut to 5"/125 mm with proper tip, Series 3.
- 90° head.
- Universal mixer.
- Ease-on cutting oxygen.
- Two year warranty.



Model No. CA 270-V

Listed

Part No.	Model No.	Weight	Length	Tips	Cuts	Use With
0387-2600	CA 270-V	13 oz.	8"	Series 3	5"	0387-2700



Cutting Machine & Accessories

Cutting Machine

VCM 200 Series

The versatile VCM-200 is a precision, tractor-type machine that can be used on its own track for straight line cutting and a variety of welding operations. Off track and with a radius rod assembly, the VCM 200 can be used for circle cutting.

- Large thumb screws for hand tight adjustments.
- Dual drive controls & direct speed readout.
- Cone disc drive.
- Constant speed AC induction motor located on the side opposite the torch for cooler, more efficient operation.
- Counter-balanced design allows torch racking distance up to 18" from the machine.
- Speed constant over wide range of temperature.
- Torch holder designed for 1 3.8"/35 mm barrel diameter torches.

Cutting Capacities

- Length increments of 72"/1.83 m (track length).
- Circle diameters 4"/100 mm to 96"/2.44 m.

Speed Range

- 1"/25.2 mm to 60"/1.52 m/minute.

Dimensions

- Length - 14.25"/359 mm.
- Width - 11"/277 mm (machine only) 28.5"/718 mm (machine & torch holder).
- Height - 11.5"/289 mm (top of torch holder) 5.5"/138mm (top of machine).

Weight

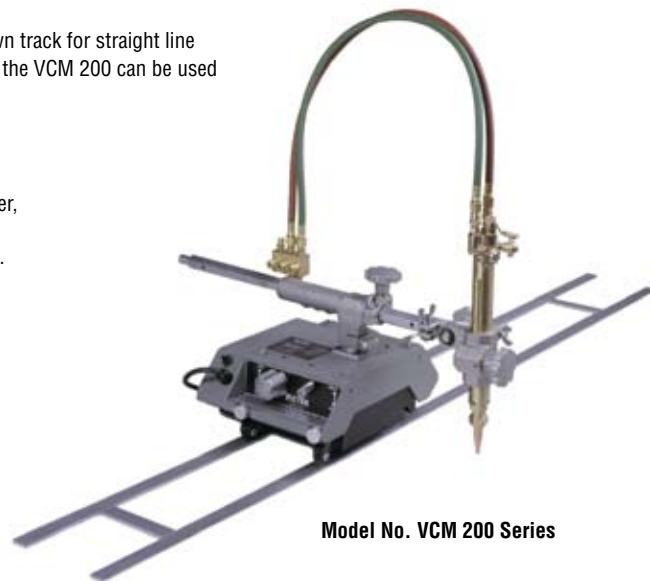
- Machine - 47.0 lbs./21 kg.

VCM 200 HS (High Speed)

Has all the convenience and portability features of the standard VCM-200 machine, a speed range of 5"/13cm to 120"/305 cm/minute, and a flat mounting deck.

VCM 200 HT (High Temperature)

Same convenience, portability features and speed of the VCM-200 (Max. temp. 3000° F) plus the addition of a heat shield.



Model No. VCM 200 Series



Package Description #1

- Cutting machine.
- MT 210A torch & torch rack.
- Hoses & Fittings (For 2 hose operation).
- 32 pitch pinion torch holder.
- 3 hose manifold block.

Package Description #2

- Cutting machine.
- Hoses & fittings (For 2 hose operation).
- 32 pitch pinion torch holder.
- 3 hose manifold block.

VCM 200 Series

Part No.	Model No.	Speed Range/Minute	Pkg. Includes
0200-0220	VCM 200	1"/25.2 mm to 60"/1.52 mm	See package #1
0200-0240	VCM 200HT*	1"/25.2 mm to 60"/1.52 mm	See package #1
0200-0221	VCM 201	1"/25.2 mm to 60"/1.52 mm	See package #2

*Models VCM-200HT, VCM-201HT, include heat shield

Export models available with 220AC to 110 AC step down transformer
Standard machine 110AC

Accessories

Part No.	Description
0212-0018	12 ft. track section for line cutting
0212-0005	6 ft. track section for line cutting
0252-0040	Radius rod for circle cutting
0252-0136	Dual torch mount assembly
0252-0103	Heat shield

Cutting Accessories

Model BHA 2

Model BHA 2 adjustable head adds flexibility to machine cutting torches by allowing bevel cuts without changing the position of the torch. It can be set at any angle from 0 to 90° on either side of vertical. Optional preheat attachment is available for use with the BHA adjustable head attachment which uses replaceable tip ends.

Part No.	Description
0383-0012	BHA 2
0304-0060	Preheating attachment

Use Series 1 cutting tips.



Model No. BHA 2

Model 591

Model 591 strip cutter for use with machine cutting torches only. It is designed to accept two tips for use with a common torch. Adjustable for cutting strips from 1-1/4"/.32 cm to 12"/30 cm wide, and thickness up to 3/8 cm.

Part No.	Description
0383-0000	591 strip cutter

Use Series 1 cutting tips.



Model No. 591

CutSkill® Cutting Outfit

Heavy Duty

- 350 series regulators.
- WH370FC-V torch handle with built-in flashback arrestors and check valves.
- CA 370-V cutting attachment.
- 2-UM welding nozzle.
- Series 1 cutting tip.
- Toolbox.
- RM grade hose, lighter, and soft-sided goggles.
- Cuts up to 3/4"/19mm (6"/153mm with optional tips).
- Welds up to 1/8"/3.2mm (3"/76mm with optional tips).



CUTSKILL®

Part No.	Description
0384-2600	Outfit (510)
0384-2601	Outfit (300)
0384-2602	Outfit (992-993)*

* British Fitting

Medium Duty

- 250 series regulators.
- WH270FC-V torch handle with built-in flashback arrestors and check valves.
- CA 270-V cutting attachment.
- 0-UM welding nozzle.
- Series 3 cutting tip.
- Toolbox.
- RM grade hose, lighter, and soft-sided goggles.
- Cuts up to 1/2"/12mm (5"/127mm with optional tips).
- Welds up to 5/64"/1.9mm (1-1/4"/31mm with optional tips).



Part No.	Description
0384-2500	Outfit (510)
0384-2501	Outfit (300)
0384-2502	Outfit (992-993)*

* British Fitting

Cutting Tips

One Piece Acetylene Cutting Tips

Series 1 1-101

General purpose hand & machine torch cutting.

Size	Part No.
000	0330-0003
00	0330-0004
0	0387-0134*
1	0330-0005
2	0330-0006
3	0330-0002
4	0330-0007
5	0330-0008
6	0330-0009
7	0330-0013
8	0330-0014

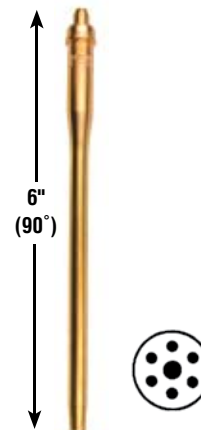


*Clamshell package

Series 1 1-101L

General purpose extra length tips.

Size	Part No.
4	0330-0531
6	0330-0535



Series 3 3-101

General purpose hand & machine torch cutting.

Size	Part No.
000	0331-0002
00	0331-0009
00	0387-0144*
0	0331-0013
1	0331-0014
2	0331-0015
3	0331-0016
4	0331-0017
5	0331-0018



*Clamshell package

Series 1 1-108

Boiler tube removal. Tip is short to insert head & tip inside tube.

Size	Part No.
0	0330-0058
1	0330-0059
2	0330-0063
3	0330-0064
4	0330-0065



Series 1 1-112

Cutting close to bulkheads and hand cutting of river heads. Machine cutting 45° with torch perpendicular.

Size	Part No.
2	0330-0086



Series 1 1-101 30°

General Purpose hand cutting.
Machine cutting 30° with torch perpendicular.

Size	Part No.
0	0330-0198
1	0330-0199
2	0330-0284



Series 1 1-118 & 3 3-118

Deseaming, scarfing, gouging, wild preparation, removing defective welds and washing rivets.

Series 1 1-118

Size	Part No.
0	0330-0109
2	0330-0113
4	0330-0114
6	0330-0115
8	0330-0116



Series 3 3-118

Size	Part No.
2	0331-0035

Two Piece Liquid Air Fuel Gas, MAPP® & Propylene Cutting Tips

Series 1 GPP & 3 GPP

General purpose hand and machine cutting torches.

Series 1 GPP

Size	Part No.
00	0333-0261
0	0333-0262
1	0333-0263
2	0333-0264
3	0333-0265
4	0333-0266
5	0333-0267
6	0333-0268



Series 1 MTHP

High speed machine cutting through 10"/252mm.

Size	Part No.
00	0333-0352
0	0333-0353
1	0333-0354
2	0333-0355
3	0333-0356
4	0333-0357
5	0333-0358



Series 3 GPP

Size	Part No.
0	0333-0352

Series 1 GPM

General purpose hand and machine cutting torches.

Size	Part No.
00	0333-0221
0	0333-0222
1	0333-0223
2	0333-0224
3	0333-0225
4	0333-0226



Series 1 MTHM

High speed machine cutting through 10"/252mm.

Size	Part No.
00	0333-0339
0	0333-0340
1	0333-0341
2	0333-0342



Series 1 HPP

Heavy preheat for scrap, bevel & other heavy preheat requirements.

Size	Part No.
4	0333-0286



One Piece Liquid Air Fuel Gas, MAPP® & Propylene Cutting Tips

Series 1 1-303MP

General purpose hand and machine cutting.

Size	Part No.
0	0330-0188
1	0330-0189
2	0330-0193
3	0330-0194
4	0330-0195



Series 1 1-318MP

Scarfing, gouging, deseaming, rivet cutting and removing defective metal or welds.

Size	Part No.
4	0330-0335





Cutting Tips

Two Piece Liquid Air Fuel Gas, MAPP® & Propylene Cutting Tips

Series BTMP

High performance bevel cutting for use with MAPP® & propylene gases.

Size	Part No.
4	0333-0209
5	0333-0210
6	0333-0211



One Piece Propane & Natural Gas Cutting Tips

Series 1 1-200

General purpose hand and machine cutting.

Size	Part No.
1	0330-0144
2	0330-0145



Series 1 1-207

Using for "blowing" rivets. Popular with various railroads.

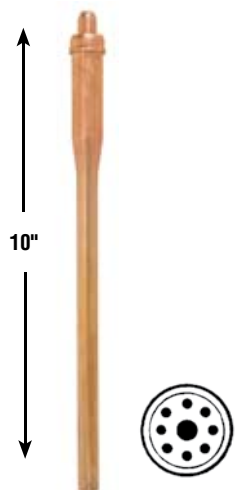
Size	Part No.
4	0330-0166



Series 1 1-200L

General purpose extra length tips.

Size	Part No.
4	0330-0537



Series 1 1-218

Deseaming, gouging, weld preparation, removing defective welds, and washing rivets.

Size	Part No.
4	0330-0178
6	0330-0179



Series 1 1-234

Cutting close to bulkheads, rivet cutting, etc.

Size	Part No.
2	0330-0341



One Piece Propane & Natural Gas Cutting Tips

Series 1 MCN

For applications requiring extra heavy preheat and wide kerf.

Size	Part No.
6	0330-0543



Series 3-GPN

General purpose hand and machine cutting torches.

Size	Part No.
00	0333-0398
0	0333-0399
1	0333-0400
2	0333-0401
3	0333-0402



Series 1 HDNL

For extra heavy duty cutting torches, emergency billet cutting, caster cut-off, steel mill scrap cutting, and foundry.

Size	Part No.
8	0330-0554
10	0330-0547
12	0330-0548



Series 1 1-MTHN

High speed machine cutting through 10/252mm length tips.

Size	Part No.
00	0333-0363
0	0333-0364
1	0333-0365
2	0333-0366
3	0333-0367
4	0333-0368
5	0333-0369
6	0333-0370



Series 1 GPN

General purpose hand and machine cutting torches.

Size	Part No.
000	0333-0300
00	0333-0301
0	0333-0302
1	0333-0303
2	0333-0304
3	0333-0305
4	0333-0306
5	0333-0307
6	0333-0308
7	0333-0309
8	0333-0310



Series 1 1-HPN

Heavy preheat for scrap, bevel and other heavy preheat requirements.

Size	Part No.
1	0333-0323
2	0333-0324
3	0333-0325
4	0333-0326
5	0333-0327
6	0333-0328
7	0333-0330
10	0333-0331
12	0333-0332





Cutting / Heating Tips

One Piece Propane & Natural Gas Cutting Tips

Series 1 BTN

High performance bevel cutting for use with mild steel.

Size	Part No.
4	0333-0206
5	0333-0207
6	0333-0208



Series 1 CSN

A coarse splined scrap cutting tip for use with natural gas.

Size	Part No.
8	0333-0411



Acetylene Heating Tips

Series 1 MFTA

For preheating before welding, descaling, paint burning, etc.

Size	Part No.
6	0330-0527
8	0330-0528
10*	0330-0523
12*	0330-0524



*Use 3/8"/9.75mm hose

Required pressures: 12/15 ACET;
70/80 PSIG Oxy.

Note: Size 8 is maximum size for use with cutting attachments.

Propane & Natural Gas Heating Tips

Series 1 MFTN

For preheating, descaling, paint burning, etc.

Size	Part No.
10	0330-0521

Required pressures: 15/30 PSI
Fuel; 70/80 PSIG Oxy.

Note: Not for use with cutting attachments



Fire-Stick™ / Flashback Arrestors

Fire-Stick™

- Two models available with or without regulator.
- Available in a six pack point of purchase (P.O.P.) display pack or individually packaged.
- For propane (Hose approved for LP).
- Two year limited warranty.



Part No.	Model No.	Description	BTU's
0384-1251	HS-101	Fire-Stick™ with R-LP regulator	350,000 ea.

Safety & Convenience Accessories

Flamebuster™ Flashback Arrestor



Part No. 0656-0001

Part No.	Model No.	Description
0656-0001	FB-1	Torch pair pak (oxy & fuel)
0656-0004	FBR-1	Regulator pair pak (oxy & fuel)
0657-0011	FB-F	Torch (fuel) flashback arrestor
0657-0015	FB-FR	Regulator (fuel) flashback arrestor
0657-0010	FB-O	Torch (oxy) flashback arrestor
0657-0014	FB-OR	Regulator (oxy) flashback arrestor

Flamebuster™ Plus Flashback Arrestor



Part No. 0656-0002

Part No.	Model No.	Description
0656-0002	FBP-1	Torch pair pak

VanGuard™ Flashback Arrestor Replacement Cartridge



Part No. 0657-0036

Part No.	Description
0657-0036	Torch handle replacement cartridge (315FC, 100FC, J-100FC, & CST800FC) (both gases)

Kwik Connect™ Torch/Hose Connections



Part No. 0656-0000

Part No.	Description
0656-0000	KC-1 Kwik Connect™ pair pak (oxy & fuel)

Check Valves

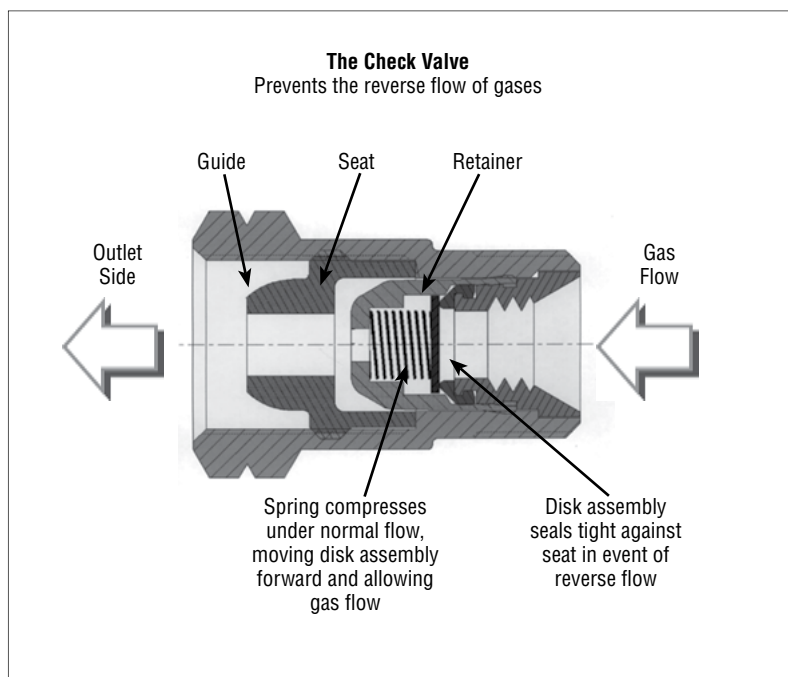
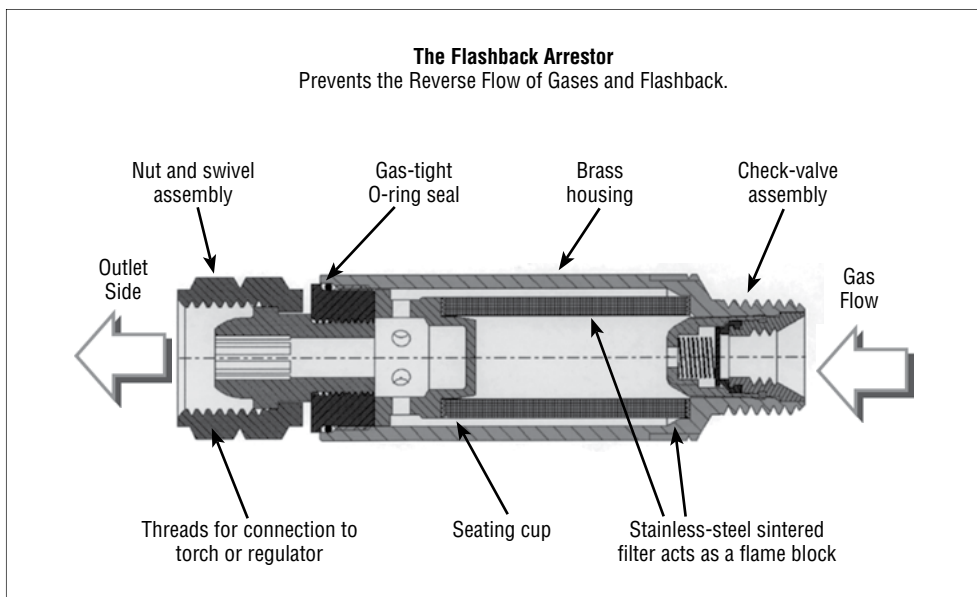
Reverse Flow Check Valves for Torches & Regulators

Check Valve-Pair Pack



Part No. 0690-0012

Part No.	Description
0690-0012	CRO & CRF regulator pair
0690-0035	CRF regulator (fuel)
0690-0034	CRO regulator (oxy)
0690-0011	CTO & CTF torch pair pack
0690-0032	CTO torch (oxy)
0690-0033	CTF torch (fuel)



Overview for Specifying Regulators

Sample Model Number

SR

Single Stage Model

Chart 1

250

250 Series

D

5-125 PSIG Delivery Range

Chart 2

540

For Oxygen Service CGA 540 Inlet

Chart 3

0781-0043

Part Number

Single or two stage model designations as well as those identifying delivery range are common to all regulators unless otherwise noted on individual ordering charts.

Note: When ordering be certain to specify delivery range, CGA inlet connections and regulator part number.

1

Regulator Model Identification	
SR	Single stage
HSR	Single stage with flowmeter
VTS	Two stage design
HVTS	Two stage with flowmeter
AR	Air relieving
S	Station
L	Line
HRF	Single stage with internal flowmeter
AF	Argon flowgauge
CF	CO ₂ flowgauge
DL	Dome loaded
BSL	Bulk system line
VGS	Gaugeless regulator single stage
DFM	Dual flowmeter
LC	Liquid cylinder
VGT	Victor gaugeless two stage

2

Regulator Delivery Ranges (PSIG)	
A	2-15
B	2-40
C	4-80
D	5-125
E	10-200
F	50-750
G	100-1500
J	200-3000
K	300-4500

Outlet pressure delivery ranges are not minimum or maximum outlet pressure limits. Regulators can be adjusted to zero PSIG outlet pressure and generally, to pressures in excess of those specified. The use of these regulators to control pressures outside of the specified ranges is not recommended.

3

CGA Inlet Connection	Commercial Gases
CGA 200	Acetylene (MC)
CGA 240	Ammonia
CGA 300	Acetylene (commercial)
CGA 320	Carbon dioxide
CGA 326	Nitrous oxide
CGA 346	Air (formerly 1340)
CGA 347	Air
CGA 350	Fuel gas, hydrogen
CGA 500	Medical mixtures
CGA 510	Acetylene (POL)
CGA 520	Acetylene (B)
CGA 540	Oxygen
CGA 555	Propane, butane
CGA 577	Oxygen
CGA 580	Nitrogen, argon, helium
CGA 590	Air (Industrial)
CGA 660	Corrosive
CGA 667	Inert Gas
CGA 680	Nitrogen, argon
CGA 701	Oxygen
CGA 992	British oxygen, inert gas
CGA 996	Manifold oxy, inert gas
CGA 997	Manifold fuel gas
CGA 024	Station oxygen
CGA 025	Station fuel gas
CGA 034	Station inert gas

**Regulators
SHOULD
NOT BE USED
for a shut-off.**



Manifold Regulators / Pressure Regulators

Manifold Regulators

High Delivery, High Flow - Heavy Duty

- Wide range of flow capabilities.
- Wide range of pressure delivery.
- Single and two stage models available.



Model No. SR700

UL Listed
Conforms to
CGA E-4



Model No. VTS 700

UL Listed
Conforms to
CGA E-4

Part No.	Gas Service	Model No.	Delivery Range (PSIG)
Extra High Flow, Single Stage			
0780-0797	Air, Oxygen,	SR 700MD-996	5-125
0780-0798	Inert Gas	SR 700ME-996	10-200
Two Stage			
0781-3961	Methane	VTS 452MD-997	5-125
0781-3962	Hydrogen	VTS 452ME-997	10-200
Two Stage, High Flow			
0780-0997	Air, Oxygen	VTS 700MD-996	5-125
0780-0998	Inert Gas	VTS 700ME-996	10-200

Delivery Range Key:

A 2-15 PSIG, **B** 2-40 PSIG, **D** 5-125 PSIG, **E** 10-200 PSIG,
F 50-750 PSIG, **G** 100-1500 PSIG, **J** 200-3000 PSIG

Connections:

1"-11-1/2 NPS(M) Threads on Inlet

1"-11-1/2 NPS(F) Threads on Outlet

SR 600 Series Regulators

Single Stage - High Pressure

- Designed for pressure testing.
- Ideal where 350 or 550 (maximum) delivery pressures are needed.
- Dead-end testing.

Dimensions: 7-1/2" W x 6" H x 5" D
(19.23 cm x 15.38 cm x 12.82 cm).

Weight: 5 lbs., 7 oz. (2.70 kg).

Design/Construction

- Forged brass body and housing cap.
- Stainless steel diaphragm.
- 2-1/2" gauges brass (6000 lb high pressure, 600 lb. and 1000 lb. low pressure).
- Cartridge seat assembly.
- External self-reseating relief valve.
- CGA 540, 580, 346 have a maximum inlet pressure of 3000 PSIG.
- Single stage design.



Model No. SR 600

UL Listed
Conforms to
CGA E-4

Part No.	Gas Service	Model No.	Delivery Range
0781-1601	Inert gas	SR600-350-580	5-350 PSIG
0781-1605	High pressure air	SR600-350-347	5-350 PSIG

Outlet Fitting: 1/4" Swagelok® Brass

Performance	
Maximum inlet	5500 PSIG
Outlet pressure ranges	350 and 550 PSIG
Inlet port	5/8"-20"
Outlet fitting	1/4" Swagelok® brass
Temperature operating range	0-140°F
Materials	
Body	Forged brass
Spring housing cap	Forged brass
Diaphragm	Stainless steel
Nozzle	Brass
Seat	PCTFE
Seat return spring	Stainless steel
Pressure adjusting spring	Music wire
O-Rings	BUNA-N™

Note: Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.

Pressure Regulators

SR 450 Series

Single Stage - Heavy Duty

- Medium to high capacity gas service.
- Wide variety of industrial and commercial applications.
 - Construction.
 - Petro-Chemical.
- Manifold models available.

Dimensions: 7 1/4" W x 7" H x 5 1/8" D
(18.56 cm x 17.92 cm x 13.12 cm)

Weight: 5 lbs., 2 oz. (2.5 kg)

Design/Construction

- Forged brass body and housing cap.
- 2-1/2" gauges brass.
- Stem type seat mechanism.
- 3-1/4" diaphragm stainless steel.
- Delrin® cap bushing for smooth adjustments.
- External self reseating relief valve not designed to protect downstream apparatus (no relief valve is needed on SR 460 and SR 461 series regulators).
- Sintered inlet filter.

Outfits with SR 450 & CSR 450 Regulators

Journeyman®
Journeyman® "Select™"
Journeyman® II
Cutter "Select™"

Performance	
Maximum inlet	3000 PSIG
Delivery range	See chart to right
Materials	
Body	Forged brass
Diaphragm	Stainless steel
Housing cap	Forged brass
Inlet filter	Bronze

Note: Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.



Model No. SR 450



Part No.	Gas Service	Model No.	Delivery Range (PSIG)	
0781-0504	Air, Oxygen, Inert Gas	SR450A-580 ₂	2-15	
0781-0515		SR450B-540	2-40	
0781-0527		SR450D-540	5-125	
0781-0531		CSR 450D-540*	5-125	
0781-0528		SR450D-580 ₂	5-125	
0781-0529		SR450D-590 ₃	5-125	
0781-0539		SR450E-540	10-200	
0781-0543		SR450E-580 ₂	10-200	
0781-0564		Methane, Hydrogen	SR600-452D-350	5-125
0781-0576		CO ₂	SR453D-320	2-125
0781-0583	Acetylene	SR460A-300	2-15	
0781-0584		SR460A-510	2-15	
0781-0591		CSR460A-510**	2-15	
0781-0589	L.P. Gas	SR461B-510	2-40	
0781-0595		SR461D-510	5-125	

Delivery Range Key:

A 2-15 PSIG, **B** 2-40 PSIG, **C** 4-80 PSIG, **D** 5-125 PSIG, **E** 10-200 PSIG

Outlet Connections: Cylinder Type

9/16"-18" (M) Unless Noted
2 = 5/8" - 18" (F) RH; 3 = 9/16"-18" (F) LH

CSR *Green Gauges-Oxygen **Red Gauges-Fuel

Note: The shape of the SR 450 series regulator is a registered trademark of Victor® Equipment Company.

Part No.	Description
1429-0056	Steel green-oxygen
1429-0057	Steel red-acetylene
0781-0486	SR450D-540 w/ gauge guards
0781-0487	SR460A-510 w/ gauge guards
0781-0488	SR450D-992-00 w/ gauge guards
0785-0547	SR450D-992-00 w/ gauge guards
0785-0548	SR460A-993-00 w/ gauge guards

Gauge Guards



VTS 450 Series

Two Stage - Heavy Duty

- Medium to high capacity gas service.
- Precise and constant outlet pressure.
- Manifold models available.

Dimensions: 8" W x 8" H x 7-3/8" D
(20 cm x 20 cm x 19 cm).

Weight: 7 lbs., 6 oz. (3.67 kg).

Design/Construction

- Forged brass body and housing cap.
- 2-1/2" gauges brass.
- Stem type seat mechanism.
- Diaphragm - 2", 3-1/4" (Stainless steel).
- Delrin® cap bushing for smooth adjustments.
- External self reseating relief valve **NOT** designed to protect downstream apparatus (No relief valve is needed on VTS 460 and VTS 461 series regulators).
- Sintered inlet filter.

Performance	
Maximum inlet	3000 PSIG
Delivery range	See chart to right
Materials	
Body	Forged brass
Diaphragm	Stainless steel
Housing cap	Forged brass
Inlet filter	Bronze

Note: Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.



Model No. VTS 450

Part No.	Gas Service	Model No.	Delivery Range (PSIG)	
0781-3907	Air, Oxygen, Inert Gas	VTS450 A-580 ₄	2-15	
0781-3908		VTS450 B-580 ₄	2-40	
0781-3905		VTS450 D-540	5-125	
0781-3909		VTS450 D-580 ₄	5-125	
0781-3916		VTS450 D-590 ₅	5-125	
0781-4014		VTS450 E-346 ₅	10-200	
0781-3906		VTS450 E-540	10-200	
0781-3959		Methane, Hydrogen	VTS452 B-350	2-40
0781-3963			VTS452 D-350	5-125
0781-3964			VTS452 E-350	10-200
0781-3974	CO ₂ & N ₂ O	VTS453 D-320 ₄	5-125	
0781-3983	Acetylene	VTS460 A-300	2-15	
0781-3984		VTS460 A-510	2-15	
0781-3993	L.P. Gas	VTS461 B-510	2-40	
0781-3994		VTS461 D-510	5-125	

Delivery Range Key:

A 2-15 PSIG, **B** 2-40 PSIG, **C** 4-80 PSIG, **D** 5-125 PSIG, **E** 10-200 PSIG

Outlet Connections: Cylinder Type

9/16"-18" (M) Unless noted
4 = 5/8" - 18" (F) RH; 5 = 5/8"-18" (F) LH

CSR *Green Gauges-Oxygen **Red Gauges-Fuel

Gauge Guards



Part No.	Description
1429-0056	Steel green-oxygen
1429-0057	Steel red-acetylene



Pressure Regulators

SR 350 Series

Single Stage - Heavy/Medium Duty

- Medium duty applications.
- Applications ranging from severe to moderate conditions.

Dimensions: 7-1/2" W x 6-1/2" H x 4-1/2" D
(19.23 cm x 16.27 cm x 11.53 cm).

Weight: 3 lbs., 8 oz. (1.74 kg).

Design/Specifications

- Forged brass body and housing cap.
- 2-1/2" gauges brass.
- Stem type seat mechanism.
- 2-3/4" diaphragm.
- Delrin® cap bushing for smooth adjustments.
- External self reseating relief valve not designed to protect downstream apparatus (no relief valve is needed on SR 360 regulators).
- Sintered inlet filter.

Performance	
Maximum inlet	3000 PSIG
Delivery range	See chart* to right
Materials	
Body	Forged brass
Diaphragm	Fabric reinforced neoprene
Housing cap	Forged brass
Inlet filter	Bronze

Note: Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.



Model No. SR 350

UL Listed
Conforms to
CGA E-4

Part No.	Gas Service	Model No.	Delivery Range (PSIG)
0781-2341	Oxygen	SR350 D-540 ₂	5-125
0781-2274		CSR350 D-540 ₂ *	5-125
0781-2408	Acetylene	CSR360 A-510 ₃ **	2-15
0781-2400		SR360 A-300 ₃	2-15
0781-2404		CSR360 A-300 ₃ **	2-15

Delivery Range Key:

A 2-15 PSIG, **D** 5-125 PSIG

Outlet Connections: Cylinder Type

2 = 9/16" - 18" (M) RH; 3 = 9/16" - 18" (M) LH

CSR: *Green gauges-oxygen **Red gauges-fuel

Note: The shape of the SR 450 series regulator is a registered trademark of Victor® Equipment Company.

Gauge Guards



Part No.	Description
1429-0058	Steel green-oxygen
1429-0059	Steel red-acetylene

SR 250 Series

Single Stage - Medium Duty

- Medium duty capacity.
- Ideal for welding and cutting applications.
- Compact single stage construction.

Dimensions: 6-3/8" W x 5-1/8" H x 4-1/4" D
(16.5 cm x 13 cm x 11 cm).

Weight: 2 lbs., 15 oz. (1.4 kg).

Design/Construction

- Forged brass body and housing cap.
- 2" gauges.
- Stem type seat mechanism.
- 1-3/4" diaphragm.
- Delrin® cap bushing for smooth adjustments.
- External self reseating relief valve not designed to protect downstream apparatus (No relief valves needed on SR 260 and SR 261 series regulators).
- Sintered inlet filter.

Performance	
Maximum inlet	3000 PSIG
Delivery range	See Chart* to right
Materials	
Body	Forged brass
Diaphragm	Fabric reinforced neoprene
Housing cap	Forged brass
Inlet filter	Bronze

Note: Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.



Model No. SR 250

UL Listed
Conforms to
CGA E-4

Part No.	Gas Service	Model No.	Delivery (PSIG)	
0781-0003	Air, Oxygen, Inert Gas	SR 250A-540	2-15	
0781-0004		SR 250A-580 ₄	2-15	
0781-0016		SR 250B-580 ₄	2-40	
0781-0002		SR 250C-346 ₅	4-80	
0781-0027		SR 250C-540	4-80	
0781-0033		CSR-250C-540	4-80	
0781-0028		SR 250C-580 ₄	4-80	
0781-0029		SR 250C-590 ₅	4-80	
0781-0010		SR 250D-346 ₅	5-125	
0781-0043		SR 250D-540	5-125	
0781-0044		SR 250D-580 ₄	5-125	
0781-0059		Methane	SR 252B-350	2-40
0781-0065		Hydrogen	SR 252C-350	4-80
0781-0075		CO ₂	SR 253B-320 ₄	2-40
0781-0077	SR 253C-320 ₄		4-80	
0781-0079	Acetylene	SR 253D-320 ₄	5-125	
0781-0085		SR 260A-300	2-15	
0781-0087		SR 260A-510	2-15	
0781-0090	L.P. Gas	SR 260A-510 WQ	2-15	
0781-0098		SR 261C-510	4-80	
0781-0104		SR 261D-510	5-125	

Delivery Range Key:

A 2-15 PSIG **B** 2-40 PSIG **C** 4-80 PSIG **D** 5-125 PSIG

Outlet Connections: Cylinder Type

9/16" - 18 (M), 4 = 5/8" - 18 (F) RH, 5 = 5/8" - 18 (F) LH

WQ (Fits Linde WQ type acetylene cylinders)

Gauge Guards



Part No.	Description
1429-0062	Steel green-oxygen
1429-0063	Steel red-acetylene

Pressure Regulators

VTS 250 Series

Two Stage - Medium Duty

- Medium duty gas service.
- Precise and constant delivery pressure.
- Models available for most gas services.
- Ideal for some laboratory applications.

Dimensions: 6-1/2" W x 5-5/8" H x 6-1/8" D
(16.5 cm x 14.0 cm x 15.0 cm).

Weight: 4 lbs., 10 oz. (2.61 kg).

Design/Construction

- Forged brass body and housing cap.
- 2" gauges.
- Stem type seat mechanism.
- Diaphragm 1-1/8" and 1-3/4".
- Delrin® cap bushing for smooth adjustments
- External self reseating relief valve not designed to protect downstream apparatus (No relief valve is needed on VTS 260 and VTS 261 series regulators).
- Sintered inlet filter.

Gauge Guards



Part No.	Description
1429-0062	Steel green-oxygen
1429-0063	Steel red-acetylene

Performance	
Maximum inlet	3000 PSIG
Delivery range	See chart* to right
Materials	
Body	Forged brass
Diaphragm	Fabric reinforced Neoprene
Housing cap	Forged brass
Inlet filter	Bronze

Note: Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.



Model No VTS 250

UL Listed
Conforms to
CGA E-4

Part No.	Gas Service	Model No.	Delivery Range (PSIG)
0781-3513	Inert gas	VTS250D-580 ₄	5-125
0781-3573	CO ₂	VTS253B-320 ₄	2-15

Delivery Range Key:

A 2-15 PSIG **B** 2-40 PSIG **C** 4-80 PSIG **D** 5-125 PSIG

Outlet Connections: Cylinder Type

9/16" - 18 (M), 4 = 5/8" - 18 (F) RH, 5 = 5/8" - 18 (F) LH

SR 5 & 6 Series

Single Stage - Light Duty

- Light duty capacity.
- Lightweight, compact.
- Models available for various gas services.

Dimensions: 4-3/4" W x 4-1/4" H x 3-1/4" D
(12 cm x 11 cm x 8 cm)

Weight: 1 lb., 12 oz. (.87 kg).

Design/Construction

- Machined brass body and cap.
- 1-1/2" gauges.
- Stem type seat assembly.
- 1-1/4" diaphragm.
- Internal self reseating diaphragm relief valve (No relief valve is needed on SR 6).
- Sintered inlet filter.

Performance	
Maximum inlet	3000 PSIG
Delivery range	See chart* to right
Materials	
Body	Forged brass
Diaphragm	Fabric reinforced neoprene
Housing cap	Forged brass
Inlet filter	Bronze

Note: Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.



Model No. SR5

UL Listed
Conforms to
CGA E-4

Part No.	Gas Service	Model No.	Delivery Range (PSIG)
0780-2520	Oxygen	SR5-60-540	4-60
0780-2544	CO ₂	SR5B-320 ₆	2-40
0780-2537	Inert Gas	SR5B-580 ₆	2-40
0780-2524	Acetylene	SR6-15-200	2-15
0780-2522		SR6-15-300	2-15
0780-2521		SR6-15-510	2-15
0780-2523		SR6-15-520	2-15

Delivery Range Key:

15 2-15 PSIG (A Range) **40** 4-40 PSIG (B Range)

60 4-60 PSIG (C Range)

Outlet Connections: 9/16" - 18 (M), 6 = 5/8" - 18 (F)



Pressure Regulators

SR 150R Rear Entry Regulators

Single Stage - Light Duty

- Light duty flow rates.
- Rear entry inlet, ideal for plant maintenance.
- Sintered inlet filter.

Materials	
Body	Machined brass
Diaphragm	Neoprene
Housing cap	Machined brass
Inlet filter	Bronze



Model No. SR 150R

Part No.	Gas Service	Model No.	Delivery Range (PSIG)
0781-2545	Oxygen, CO ₂ , Inert Gas	SR150CF-540	4-80
0781-2546	Acetylene	SR160AR-200	2-15

Delivery Range Key: AR 2-15 PSIG CR 4-80 PSIG

Outlet Connections: 9/16" - 18 (M)

SR 4 Series High Pressure Piston Regulators

Single Stage

- High pressure.
- Ideally suited for pressure vessel testing.
- Dead-end testing.
- Delivery pressures up to 4500 PSIG on some models.
- May be panel mounted.

Dimensions: 6" W x 6-1/2" H x 6-1/4" D
(15 cm x 16 cm x 15.5 cm)

Weight: 4 lbs. (1.8 kg)



Model No. SR 4

Design/Construction

- Piston type actuation.
- Machined body and cap.
- 2-1/2" gauges brass.
- Cartridge type seat assembly with PCTFE seat.
- Delrin® cap bushing for smooth adjustments.
- External adjustable relief valves on F and G range models.
- Hydrogen models have ventable relief valves.
- Sintered inlet filter.

Panel Mounting Details

- All SR 4 series regulator models may be panel mounted. (1-3/4" hole required in panel for mounting) For a flush panel mount installation order one (1) panel mount nut 1409-0093. For an adjustable panel mount installation order two (2) panel mount nuts 1409-0093.

Performance	
Maximum inlet	7500 PSIG with CGA 677 6000 PSIG without Inlet Fitting 5500 PSIG with CGA 701, 680, 347 4000 PSIG with CGA 577 3000 PSIG with CGA 540, 580, 346, 350
Materials	
Body	Machined brass
Housing cap	Machined brass
Inlet filter	Bronze

Note: Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.

Part No.	Gas Service	Model No.	Delivery Range (PSIG)
0781-1405	Oxygen	SR 4F-540	50-750
0781-1425		SR 4G-540	100-1500
0781-1445		SR 4J-540	200-3000
0781-1408	Inert Gas	SR 4F-580	50-750
0781-1410		SR 4F-680	50-750
0781-1428		SR 4G-580	100-1500
0781-1430		SR 4G-680	100-1500
0781-1448		SR 4J-580	200-3000
0781-1450		SR 4J-680	200-3000
0781-1453		SR 4J-677	200-3000
0781-1473		SR 4K-677	300-4500
0781-1463	Air	SR 4K-347	300-4500
0781-1404	Methane/ Hydrogen	SR 4F-350	50-750
0781-1401	Carbon Dioxide	SR 4F-320	50-750

Delivery Range Key:

F 50-750 PSIG G 100-1500 PSIG J 200-3000 PSIG K 300-4500 PSIG

Inlet Fitting: * - 1/4" NPT (F)

Outlet Fitting: 1/4" Swagelok® type stainless steel

HRF 2400 Regulator/Flowmeter

Single Stage

- Regulator / flowmeter combination in one compact unit.
- MIG / TIG applications.
- Ideal for all applications where dependability is needed.
- Calibrated tube at 25 PSIG (Not on HRF 2480).

Dimensions: 5-5/8" W x 8-1/4" H x 3" D
(14.29 cm x 20.93 cm x 7.62 cm).

Weight: 2 lbs., 8 oz. (1.24 kg).

Design/Construction

- Machined brass body and housing cap.
- Back pressure compensated.
- Sintered inlet filter.
- Internal self reseating relief (not designed to protect downstream apparatus).



Model No. HRF2400



Performance	
Maximum inlet	3000 PSIG
Outlet pressure preset	
HRF 2425	25 PSIG
HRF 2480	80 PSIG
Flow capacity	See chart
Materials	
Body	Brass
Diaphragm	Fabric neoprene
Housing cap	Brass
Inlet filter	Sinter bronze
Flowtube	Lexan
Flowtube cover	Lexan

Part No.	Gas Service	Model No.	Flowmeter Range (SCFH)	CGA Inlet Connection
0781-2731	Argon Argon/CO ₂ Mix Helium	HRF 2425 Preset @ 25 PSIG	10-50 (Argon) 20-150 (Helium)	580
0781-2728	Carbon Dioxide CO ₂ Mixes	HRF 2480 Preset @ 80 PSIG	10-38 (CO ₂) 7.5-37.5 (Argon)	320

Outlet Connection: 5/8" - 18 (F) RH, CGA 032.

AF 250/CF 253 Flowgauge Regulator

- Ideal for MIG / TIG applications where a flowmeter is not necessary or impractical.
- Designed for small to medium diameter MIG applications (.025 wire to .045 wire).

Dimensions: 6-3/8" W x 5-1/8" H x 4-1/4" D
(16.19 cm x 13.01 cm x 10.79 cm).

Weight: 2 lbs., 15 oz. (1.46 kg).

Design/Construction

- Forged brass body and housing cap.
- 2" gauges.
- Stem type seat mechanism.
- 1-3/4" diaphragm.
- Delrin® cap bushing for smooth adjustments.
- Internal self reseating relief valve not designed to protect downstream apparatus.
- Sintered inlet filter.



Model No. AF 250



Part No.	Gas Service	Model No.	Flow Range	CGA Inlet Connection
0781-0350	Argon	AF 250-580*	10-40 SCFH	580
0781-0351	CO ₂	CF 253-320*	7-35 SCFH	320

Outlet Connection: 5/8" - 18 (F) RH, CGA 032.

WARNING: High gas withdrawal rates may cause regulator freeze up and will require cylinder manifolding. Consult your gas supplier.

***Note:** A regulator equipped with a flow gauge is not accurate when a back pressure in excess of 2 PSIG exists at the outlet. Back pressure is caused by a restriction in the apparatus downstream of the flowgauge. Metering valves, kinked hoses or even very long hoses are restrictions that can cause back pressure. In applications where back pressure in excess of 2 PSIG can be expected, a regulator equipped with a flowmeter should be used.



Regulators / Flowmeters

Flowmeter DFM Dual Flow Regulator

- Designed to monitor two (2) separate processes or gas flows.
- Ideal for applications where shielding gas and back purge requirements are needed.
- Designed to offer convenience for the maintenance and the fabrication industries.

Dimensions: DFM - 5-1/2" W x 6-1/2" H x 5" D
(14.10 cm x 16.66 cm x 12.82 cm)

Weight: DFM - 2 lbs., 9 oz- (1.27 kg)

Notes:

- Flowmeter shows actual flow.
- If flow is shut off or restricted downstream of the regulator, the flow gauge will show indicated flow even if there is none.



Model No. DFM 150

Materials	
Body	Brass
Seat	Teflon
Spring	Music wire
Inlet filter	Sintered bronze
Piston	Brass
Ball (flowmeter version)	Aluminum
Cover tube	Lexan

Part No.	Gas Service	Model No.	CGA Inlet Conn.	Max Inlet (PSIG)	HP Gauge (PSIG)	Flowmeter Range (SCFH)	Replacement Tube & Boat
0781-1153	Argon Helium	DFM 150-580	580	3000	0-4000	5-50 SCFH Argon 20-150 Helium	1015-0057

Outlet Connection: 5/8"-18 RH (F), CGA 032

SR 310, SR 311 & 312 High Flow CO₂ Flowmeter / Flowgauge

- Designed for CO₂ application (non-siphoned tube cylinders).
- High flow CO₂ applications (SR 310 100 PSIG) (SR 311/312 100 SCFH) with adequate supply or source.
- Designed for core wire applications.

Dimensions: 8-3/8" W x 7-1/4" H x 2-1/2" D
(8.65 cm x 18.58 cm x 6.4 cm).

Weight: 2 lbs., 15 oz. (1.46 kg).

Design/Construction

- Machined body and housing cap.
- 2" gauge.
- Stem type seat mechanism.
- 1-3/4" diaphragm.
- Self reseating relief valve (Not designed to protect downstream apparatus).
- Sintered inlet filter.

Performance	
Maximum inlet	1500 PSIG
Delivery range	100 SCFH
Materials	
Body	Aluminum
Diaphragm	Fabric reinforced neoprene
Housing cap	Aluminum
Inlet filter	Bronze

Part No.	Model No.	Flow Range	CGA Inlet Connection
0781-0355	SR 310 Adjustable	10 - 150 PSIG	320
0781-0353 (Preset @ 80 PSIG) Flowmeter	SR 311	25 - 100 SCFH	320
0781-0354	SR 312 Flow Gauge	0 - 100 SCFH	320

Outlet Connection: 5/8" - 18 RH (F)



Model No. SR 311



Model No. SR 310



NOTE: High gas withdrawal rates may cause regulator freeze up and will require cylinder manifold. Consult your gas supplier.

A regulator equipped with a flow gauge is not accurate when a back pressure in excess of 2 PSIG exists at the outlet. Back pressure is caused by a restriction in the apparatus downstream of the flowgauge. Metering valves, kinked hoses or even very long hoses are restrictions that can cause back pressure. In applications where back pressure in excess of 2 PSIG can be expected, a regulator equipped with a flowmeter should be used.

Flowmeter

- Gas flow measurement in SCFH.
- MIG / TIG applications.
- Flowtube and outer tube are made of impact resistant Lexan for severe applications.
- Pressures compensate for low surge requirement.

Note: All Victor® flowmeters are back pressure compensated to ensure accurate readings at all times, even if line restrictions are present. All flowmeters are calibrated to operate at 25 PSIG inlet pressure to minimize surge, except the FM 200 which is calibrated to operate at 80 PSIG.



Flowmeter

Units with Two Gas Calibration

Part No.	Model No.	Flow Range	Inlet Fitting	Outlet Fitting	Flowtube	Inlet Pressure
1000-0256	FM145	4-18 SCFH argon 10-50 SCFH helium	5/8-18 RH M	5/8-18 RH F	1015-0063	25 PSIG
1000-0261	FM137	15-65 SCFH argon 40-200 SCFH helium	9/16-18 RH F	5/8-18 RH F	1015-0064	25 PSIG
1000-0262	FM147	15-70 SCFH argon 40-200 SCFH helium	5/8-18 RH M	5/8-18 RH F	1015-0064	25 PSIG
1000-0263	FM157	15-65 SCFH argon 40-200 SCFH helium	1/4 NPT M	5/8-18 RH F	1015-0064	25 PSIG

Units with Three Gas Calibration

Part No.	Model No.	Flow Range	Inlet Fitting	Outlet Fitting	Flowtube	Inlet Pressure
1000-0258	FM370	5-40 SCFH CO ₂ 5-50 SCFH argon 20-150 SCFH helium	9/16-18 RH F	5/8-18 RH F	1015-0057	25 PSIG
1000-0182	FM372	5-40 SCFH CO ₂ 5-50 SCFH argon 20-150 SCFH helium	1/4 NPT M	5/8-18 RH F	1015-0057	25 PSIG

Note: Not designed for cylinder use

L 700 High Volume Line Regulators

Heavy Duty

- Designed for Gas Distribution System (pipeline).
- Available in either 1/2" NPT(F) or 3/4" NPT(F) inlet.
- Inlet pressure up to 500 PSIG.

Design/Construction

- Forged brass body and housing cap.
- 2-1/2" brass gauge.
- Stem type seat mechanism.
- 3-1/4" diaphragm.
- Delrin® cap bushing for smooth adjustments.



Model No. L 700

Listed
Conforms to
CGA E-4

Part No.	Gas Service	Model No.	Delivery Range (PSIG)	Inlet & Outlet Ports
0780-1209	Air, Oxygen, Inert Gas, CO ₂ , N ₂ O	L 700D-750	5-125	3/4" - NPT(F)
0780-1201	Acetylene	L 710A-750	2-15	3/4" - NPT(F)



Regulators

S 350 Station Regulators Medium Duty/Heavy Duty

- Medium to heavy duty flow requirement.
- Gas distribution systems (pipeline).
- Wide range of delivery pressures available.
- Matched to the CGA inlet connection for specific gas service and valve.

Dimensions:

- 5-1/2" W x 6-1/2" H x 5" D (side inlet)
(13.97 cm x 16.51 cm x 12.70 cm)
- 3" W x 6-1/2" H x 7" D (rear inlet)
(7.62 cm x 16.51 cm x 17.78 cm)

Weight: 3 lbs., 5 oz. (1.64 kg)

Design/Construction

- Forged body and housing cap.
- 2-1/2" gauges brass.
- Stem type seat mechanism.
- 2-3/4" diaphragm

WARNING: The S 350 series regulators have a maximum inlet pressure of 200 PSIG.

Note: Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.



Model No. CSR-350



Part No.	Gas Service	Model No.	Delivery Range (PSIG)
0781-2493	Oxygen	Side Inlet S350D-024	5-125
0781-2458		Rear Inlet S350BR-024	2-40
0781-2459		S350CR-024	4-80
0781-2509		CS350DR-024*	5-125
0781-2500	Acetylene	Side Inlet S360A-025	2-15
0781-2505	Hydrogen	S361C-025	4-80
0781-2506	L.P. Gas	S361D-025	5-125
0781-2472	Acetylene	Rear Inlet S360AR-025	2-15
0781-2486	L.P. Gas	S361DR-025	5-125

Connections Key:

024-CGA Inlet Connection: 7/8"-14 RH(F) Outlet Connection: "B" 9/16"-18 RH(M)

025-CGA Inlet Connection: 7/8"-14 LH(F) Outlet Connection: "B" 9/16"-18 LH(M)

Delivery Range Key:

A 2-15 PSIG **B** 2-40 PSIG **C** 4-80 PSIG **D** 5-125 PSIG

CSR * Green Gauges-Oxygen

Note: Not designed for cylinder use

L 350 Line Regulators Medium Duty - Heavy Duty

- Designed for gas distribution systems (pipeline).
- Inlet port 1/4" NPT (F).
- Wide range of gas services.
- Maximum inlet 500 PSIG.
- Medium to heavy duty capacity.

WARNING: Maximum inlet pressure 500 PSIG.

Dimensions: 3" W x 6 1/2" H x 5" D
(7.68 cm x 16.68 cm x 12.50 cm).

Weight: 3 lbs. (1.49 kg).

Design/Construction

- Forged body and housing cap.
- 2-1/4" gauge brass.
- Stem type seat mechanism.
- 2-3/4" diaphragm.
- Delrin® cap bushing for smooth adjustments.



Model No. L 350



Performance	
Maximum inlet	300 PSIG
Delivery ranges	See chart to right

Materials	
Body	Forged brass
Diaphragm	Fabric reinforced neoprene
Housing cap	Forged brass

Part No.	Gas Service	Model No.	Delivery Range (PSIG)	Outlet Gauge (PSIG)	Inlet & Outlet Ports
0781-2455	Air, Oxygen Inert Gas CO ₂ , N ₂ O	L 350D-250	5-125	0-200	1/4" NPT (F)

Delivery Range Key: **A** 2-15 PSIG **C** 4-80 PSIG **D** 5-125 PSIG

Note: Not designed for Cylinder Use. Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.

S 250 Station Regulators Light Duty

- Designed for gas distribution system (pipeline).
- Available with CGA inlet 024, 025, inlet connections.
- Wide range of gas service applications.
- Maximum inlet pressure 200 PSIG.
- Pipeline flowgauge for Inert gases, and CO₂ applications.

Note: Not designed for cylinder use



Model No. SFG 250



Part No.	Gas Service	Model No.	Delivery Range (PSIG)
0781-1254	Oxygen	S 250C-024	4-80
0781-1255		S 250D-024 (w/ flowmeter)	5-125
0781-1256	Acetylene	S 260A-025	2-15

Connections Key:

024-CGA Inlet Connection: 7/8"-14 RH(F)
Outlet Connection: "B" 9/16"-18 RH(M)

025-CGA Inlet Connection: 7/8"-14 LH(F)
Outlet Connection: "B" 9/16"-18 LH(M)

Delivery Range Key:

A 2-15 PSIG **C** 4-80 PSIG **D** 5-125 PSIG

450 Series Pressure Regulators Single Stage - Extra Heavy Duty

- High flow rates.
- Single stage design.
- Forged brass body & housing cap.
- Stem type seat mechanism.
- Stainless steel diaphragm.
- Available in CGA 300, 510 & 580 inlet connections.
- Maximum inlet pressure: 3000 PSIG/204 BAR.
- Delivery pressures up to 125 PSIG.
- 9/16"-18" outlet connection except when noted.
- Internal relief valve.
- Two year warranty.

Dimensions: 7-1/4"W x 7"H x 5-1/8"D

Weight: 5lb. 2oz.

Construction: 2-1/2" gauges

CUTSKILL®



Model No. 450 Series

Part No.	Model No.
0781-4144	RC450-125-540
0781-4145	RC450-125-992
0781-4146	RC450-15-510
0781-4147	RC450-15-993
0781-4148	RC450-15-300
0781-4158	RC450-125-580

Outlet Connection: 9/16" - 18"

Pressure Regulators 350 Series & 250 Series Single Stage

- Single stage design.
- Forged brass body & housing cap.
- Stem type seat mechanism.
- Neoprene diaphragm.
- Maximum inlet pressure: 3000 PSIG/204 BAR.
- Delivery pressures up to 125 PSIG.
- Available in CGA 300, 510, 510WQ & inlet connections.
- 9/16"-18" outlet connection except when noted.
- Internal relief valve.
- Two year warranty

CUTSKILL®

Dimensions:

350 Series - 7-1/2"W x 6-1/2"H x 4-1/4"D

250 Series - 6-3/8"W x 5-1/8"H x 4-1/4"D

Weight:

350 Series - 3 lbs., 8 oz.

250 Series - 2 lbs., 15 oz.

Construction:

350 Series - 2.5" gauges

250 Series - 2" gauges

250 Series - Medium Duty



Model No. 250

Part No.	Model No.	Delivery Pressure (PSIG)
0387-2001	RC250-80-540-CS	4-80
0387-2100	RC250-15-510-CS	2-15
0387-2101	RC250-15-300-CS	2-15

Outlet Connection: 9/16" - 18"

350 Series - Heavy Duty



Model No. 350

Part No.	Model No.	Delivery Pressure (PSIG)
0387-2300	RC350-125-540-CS	5-125
0387-2302	RC350-80-540-CS	4-80
0387-2400	RC350-15-510-CS	2-15
0387-2401	RC350-15-300-CS	2-15

Outlet Connection: 9/16" - 18"



Regulators / Flowmeters

FirePower® Regulators

- For use with all fuel gases (natural gas 2 PSI and above). Proper tip required.
- Single stage design.
- Forged brass body & housing cap is finished in a black powder coat.
- Stem type seat mechanism.
- Neoprene diaphragm.
- Internal relief.
- Maximum delivery pressure: 125 PSIG/34 BAR.
- One year warranty.



Model No. RF-350

350 Heavy-Duty

Part No.	Model No.
0781-9171	RF350-125-540
0781-9172	RF350-15-510
0781-9802	RF350-15-300



250 Medium-Duty

Part No.	Model No.
0781-9112	RF250-15-510
0781-9111	RF250-80-540
0781-9800	RF250-15-300
0781-9851	RF250-200-580
0781-9115	RF250-40-510LP
0781-9116	RF250-125-540
0781-9850	RF250-125-580

TPR250 Purging Regulators

Dimensions: 6-3/8" W x 5-1/8" H x 4-1/4" D
(16.5 cm x 13 cm x 11 cm)

Weight: 2 lbs., 15 oz. (1.4 kg)

Construction: 2" gauges



Model No. TPR250

Part No.	Model No./ Description	Delivery Pressure (PSIG)
0781-9133	TPR250-125-580	5-125
0781-9134	TPR250-250-580	10-250
0781-9135	TPR250-500-580	10-500

Outlet Connection: 1/4"-37" flare.

HRF 1400 Medalist™ Flowmeter Single Stage

- Single stage piston design.
- Argon, Argon/CO₂ mix & CO₂ models.
- Maximum inlet pressure: 3000 PSIG/204 BAR.
- 25 PSIG/1.7 BAR or 80 PSIG/5.4 BAR preset pressure.
- Up to 50 CFH/24 LPM for Argon and up to 38 CFH/18 LPM for CO₂ delivery.
- Attractive print box design.
- Available in CGA 320 & 580 inlet connections.
- Option MIG kit available with 10' hose.
- Two year warranty.

Design/Construction

- Machined brass body
- Teflon seat



Model No. HRF1400

Part No.	Model No.	Description	Flow Range
0781-2723	HRF1425-580	Boxed	50 CFH Argon
0781-2743	HRF1425-580	w/ hose	50 CFH Argon

Outlet Connection: 5/8"-18 (F) RH

- 5/8"-18 RH(F) outlet connection except when noted
- 1-1/2"/38 cm PSIG/KpA gauges except when noted



AF & CF 150 Medalist™ Flowgauge Regulators Single Stage

- Forged brass body & housing cap.
- Stem type seat mechanism.
- Argon, Argon/CO₂ Mix & CO₂ models.
- Maximum inlet pressure: 3000 PSIG/204 BAR.
- Up to 50 CFH/24 LPM for Argon and up to 38 CFH/18 LPM for CO₂.
- Attractive print box design.
- Available in CGA 320 & 580 inlet connections.
- 5/8"-18" RH(F) outlet connection except when noted.
- Optional MIG kit available with 10' hose.
- Two year warranty.



Model No. AF150

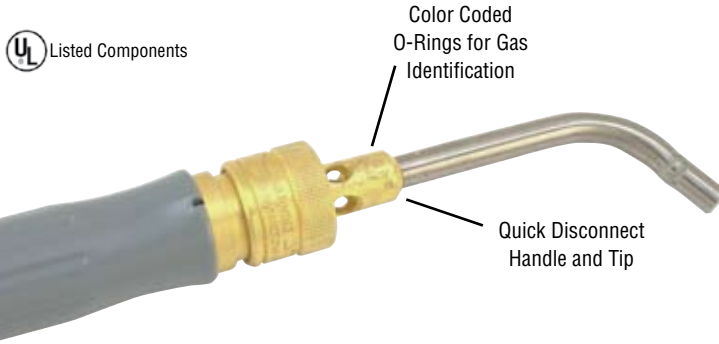
Part No.	Model No.	Flow Range
0781-1100	AF150-580	50 CFH Argon
0781-1103	AF150-580* w/10', 3m hose & fittings	50 CFH Argon
0387-0245	AF150-580*	50 CFH Argon
0781-1120	CF153-320	38 CFH CO ₂
0781-1123	CF153-320* w/10', 3m hose & fittings	38 CFH CO ₂

Outlet Connection: 5/8"-18 (F) RH

*Clamshell pkg.



Extreme® Standard Torch Kits



Patented Swirl Combustion Technology

X-3B Kit



Flexible kit brazes light/medium gauge steel.

- 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.

Part No. 0386-0335

X-4B Kit



Higher capacity kit brazes medium/heavy gauge steel.

- AR-B (CGA 520) regulator.
- G-4 handle.
- AH-12 hose.
- A-5 tip.
- A-14 tip.
- Soft solders to 3-1/2" (90 mm).
- Silver brazes to 2" (50 mm).
- "B" tank connection.
- Instruction manual.

Part No. 0386-0336

X-5B Kit



Flexible lighter-duty kit.

- AR-B (CGA 520) regulator.
- G-4 handle.
- AH-12 hose.
- A-5 tip.
- AH-12 tip.
- Soft solders to 1-1/2" (40 mm).
- Silver brazes to 3/4" (20 mm).
- "B" tank connection.
- Instruction manual.

Part No. 0386-0338

X-5MC Kit



Flexible lighter-duty kit.

- 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.

Part No. 0386-0384

X-6MC Kit



All-purpose kit for work using "MC" tank.

- AR-MC (CGA 200) regulator.
- G-4 handle.
- AH-12 hose.
- A-3 tip.
- A-8 tip.
- Soft solders to 2" (50 mm).
- Silver brazes to 1" (30 mm).
- "MC" tank connection.
- Instruction manual.

Part No. 0386-0339

MSKA-1 Kit



Features quieter operation.

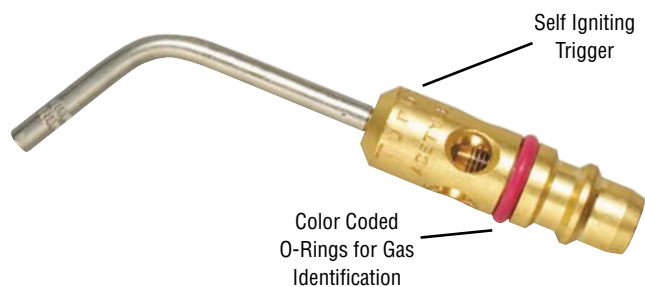
- AR-B (CGA 520) regulator.
- G-4 handle.
- AH-12 hose.
- MSA-8 tip.
- Soft solders to 3" (75 mm).
- Silver brazes to 3/4" (20 mm).
- "B" tank connection.
- Instruction manual.

Part No. 0386-0366

Air Acetylene Tips

Extreme® Standard Torch Tips

- Use with large tank only. Use with G-4 Handle (0386-0308).



Patented Swirl Combustion Technology

Listed Components



Part No. 0386-0100



Part No. 0386-0101



Part No. 0386-0102



Part No. 0386-0103



Part No. 0386-0104



Part No. 0386-0105



Part No. 0386-0106



Part No. 0386-0365

Tip No.	Tip Size		Gas Flow		Copper Tubing Size Capacity				Replacement Orifice Model
	In.	mm.	@14 PSI FT ³ /hr.	(0.9 Bar) M ³ /hr.	Soft Solder		Silver Solder		
					In.	mm.	In.	mm.	
A-2	1/8	4.8	2.0	.17	1/8-1/2	3-15	1/8-1/4	3-10	OR-A2
A-3	3/16	6.4	3.6	.31	1/4-1	10-25	1/8-1/2	3-12	OR-A3
A-5	1/4	7.9	5.7	.48	3/4-1 1/2	20-40	1/4-3/4	10-20	OR-A5
A-8	5/16	9.5	8.3	.71	1-2	25-50	1/2-1	15-25	OR-A8
A-11	7/16	11.1	11.0	.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	.50	3/4-3	20-75	1/4-3/4	10-20	OR-A5

Extreme® Self Lighting / Sof-Flame™ Kits - Air Acetylene

**Extreme® Self Lighting Torch Kits
With Rear Valve Handle**

PL-8ADLX-MC Kit



- AR-MC (CGA-200) regulator.
- G-4 handle.
- PL-8A tip.
- Soft solders to 2" (50 mm).
- Silver solders to 1" (30 mm).
- "MC" tank connections.
- Instruction manual.
- AH-12 hose.

Part No. 0386-0834

PL-8ADLX-B Kit (0386-0835)

(Not Shown) "B" Tank Connection

PL-12ADLX-B



- AR-B (CGA-520) regulator.
- G-4 handle.
- PL-12A tip.
- Soft solders to 3-1/2" (90 mm).
- Silver solders to 2" (50 mm).
- "B" tank connections.
- Instruction manual.
- AH-12 hose.

Part No. 0386-0836

Sof-Flame™ Torch Kit

Sof-Flame™ Tips Improved design for excellent flame characteristics!

- Replaces old style "W" series
- Solid Brass construction
- Fits WA-400 torch handle

WSF-4 Kit



- 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.

Part No. 0386-0090

WA-400 Handle



- "A" Size 3/8" 24 LH hose threads, Interchangeable with Prest-O-Lite®, Uniweld® and GOSS® equipment.
- Requires no tools for tip change.
- Tips can be locked in any position.
- Stainless steel ball valve for added durability.
- Replaceable O-ring seal for safety.
- Accepts snappy adaptor (0386-0500).

Part No. 0386-0410

Sof Flame™ Tips Air Acetylene / Acetylene Accessories

Sof-Flame™ Torch 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.

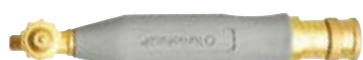


Part No. 0386-1153 Part No. 0386-1154 Part No. 0386-0112 Part No. 0386-0113 Part No. 0386-0114 Part No. 0386-0115

Part No.	Model No.	Soft Solders		Operating Pressure Range		Acetylene Consumption Range		Replacement Orifice No.
		In.	mm.	PSI	Bar	SCFH	M3/hr.	
0386-1153	S-1	1/16-1/8	2-3	5-15	.35-1.0	.53-.89	.04-.07	OR-S1
0386-1154	S-2	1/8-3/8	3-9	5-15	.35-1.0	1.0-1.7	.08-.14	OR-A2
0386-0112	S-3	3/8-1/2	9-13	5-15	.35-1.0	1.9-3.2	.15-.26	OR-T3
0386-0113	S-4	1/2-1	13-25	5-15	.35-1.0	3.5-5.9	.29-.49	OR-A5
0386-0114	S-5	3/4-1-1/2	19-40	5-15	.35-1.0	6.6-11.0	.55-.92	OR-A11
0386-0115	S-6	1-4	25-100	5-15	.35-1.0	8.8-14.8	.73-1.24	OR-A14

Swirl Air Acetylene Accessories

WA-400



Part No. 0386-0410

PLF-A5 Proline



Part No. 0386-0872

G-4 Turbo Torch®



Part No. 0386-0308

AR-B / AR-MC Regulators



AR-B: Part No. 0386-0725
AR-MC: Part No. 0386-0726

Hose



AH-12 (Part No. 0386-1090) - 12' hose (3.6m)
AH-24 (Part No. 0386-1091) - 24' hose (7.3m)

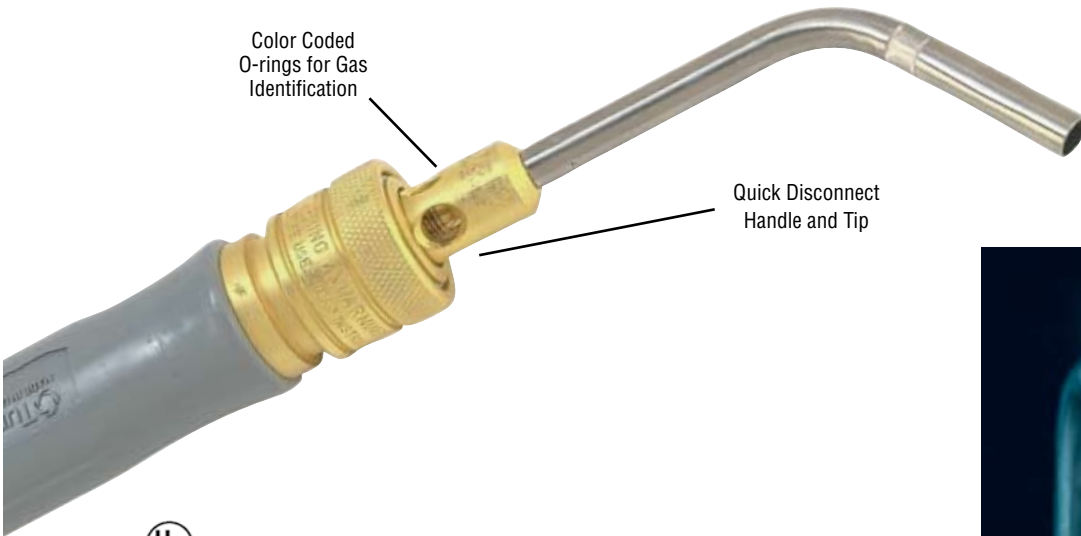
Snappy Adapter



Part No. 0386-0500

Torch Kits

TurboTorch “LP” torches and Pro-Line® torches operate on Propane, Propylene, MAPP®, Apachi® and HPG. TurboTorch/Pro-line® torches use the hotter high energy gases for maximum heat, and propane for economy where high heat is not necessary.



 Listed Components



Patented Swirl Combustion Technology

LP-1 Kit



- R-LP adjustable regulator, CGA-510.
- H-4 handle.
- H-12 hose.
- T-4 tip.
- T-6 tip.
- Soft solders to 6" (150 mm).
- Silver brazes to 4" (100 mm).
- Instruction manual.

Part No. 0386-0247

LP-2 Kit



- R-LP adjustable regulator, CGA-510.
- H-4 handle.
- H-12 hose.
- T-3 tip.
- T-5 tip.
- Soft solders to 4" (100 mm).
- Silver brazes to 2" (50 mm).
- Instruction manual.

Part No. 0386-0007

LP-3 Kit



- R-LP adjustable regulator, CGA-510.
- H-4 handle.
- H-12 hose.
- T-4 tip.
- Soft solders to 2-1/2" (60 mm).
- Silver brazes to 1-1/4" (30 mm).
- Instruction manual.

Part No. 0386-0006

Propane® & MAPP® Hand / Self Lighting Torches & Tips

Hand / Self Lighting Torches

- Hand torches are built with TurboTorch® swirl combustion.
- Designed to operate with a tank of either MAPP® or Propane gas.



STK-9 Kit



STK-1 Kit



TX-500 Kit



TX-503 Kit



TX-504 Kit

- STK-R pressure regulator CGA 600.
- ST-3 tip.
- Easy to change orifice.
- Swivels 360°.
- Instruction manual.

Part No. 0386-0403

- STK-R pressure regulator CGA 600.
- ST-1 tip.
- Easy to change orifice.
- Swivels 360°.
- Instruction manual.

Part No. 0386-0408

- Self lighting hand torch
- Includes TX-504 plus bonus 503 tip
 - Swirl tip-concentrates heat/reduces heat time
 - Diaphragm regulator

Part No. 0386-1299

- Self Lighting Hand Torch
- Includes TX-503 torch.
 - Swirl tip-concentrates heat/reduces heat time.
 - Diaphragm regulator.

Part No. 0386-1298

- Self Lighting Hand Torch
- Includes TX-504 torch
 - Swirl tip-concentrates heat/reduces heat time
 - Diaphragm regulator

Part No. 0386-1296

Torch Tips



T-2

Part No. 0386-0150



T-3

Part No. 0386-0151



T-4

Part No. 0386-0152



T-5

Part No. 0386-0153



T-6

Part No. 0386-0154

Tip No.	Tip Size		Gas Flow		Copper Tubing Size Capacity Propane Gas				Copper Tubing Size Capacity Mapp® Gas				Replacement Orifice
	In.	mm.	@24 PSI Lbs/hr	@36 PSI Lbs/hr	Soft Solder		Silver Solder		Soft Solder		Silver Solder		
					mm.	In.	mm.	In.	mm.	In.	mm.	Model	
T-2	5/16	8.0	.14	.17	1/8 - 1/4	3 - 10	1/16 - 1/4	1 - 6	1/8 - 1/2	3 - 12	1/8 - 1/4	3 - 10	OR-A2 0386-1000
T-3	7/16	11.1	.20	.25	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-T3 0386-1021
T-4	1/2	12.7	.39	.48	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-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

*TurboTorch Tips are for use with H-4 Handle Part No. 0386-0300