

Welding and Cutting Outfits

OXWELD® Trade Master Outfit

The OXWELD® Trade Master Outfit offers a superior heavy-duty combination of welding and cutting components. It handily accomplishes any craftsman's tasks and is equally versatile for contractors, general shops, maintenance, field applications, and trade schools. It is particularly popular among journeyman users.

Part No. 18835- OXWELD® Trade Master DLX 540/510



MADE IN USA

Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range	Up to 3/8" (10 mm)	Up to 1" (25 mm)
Cutting range	Up to 1-1/2" (38 mm)	Up to 8" (203 mm)
Heating range	Up to 55 CFH acet. (81,000 BTU/hr.)	Up to 200 CFH acet. (294,000 BTU/hr.)

Outfit Contains:

Part No.	Outfit Contains
999045	W-400 Torch
999046	CW-400 Cutting attachment
15Z18	Cutting tip 1502, 1-1/2"
639441	Welding head #6
639443	Welding head #15
17263	Welding head #30
998775	Rosebud heating head #55 O-A
998323	Oxygen regulator R-76-75-540
998340	Acetylene regulator R-76-15-510

Outfit contains striker (790F34), goggles (17862), hose (22556).

OXWELD® Trade Master "FG" Outfit

"FG" is for Fuel Gas. This Trade Master Outfit has all the outstanding features that are expected from the name OXWELD®. It is designed for any heating or cutting job that requires fuel gases other than acetylene.

Part No. 22412- OXWELD® Trade Master "FG" DLX 540/510



MADE IN USA

Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range		Up to 1" (25 mm)
Cutting range	Up to 1-1/2" (38 mm)	Up to 4" (100 mm)
Heating range	Up to 70 0-FG (104,000 BTU/hr.)	Up to 200 0-FG (297,000 BTU/hr.)

Outfit Contains:

Part No.	Description
999045	W-400 Torch
999046	CW-400 Cutting attachment
638984	Cutting tip 1564, 1-1/2 in.
999225	Rosebud heating head #70 0-FG
998323	Oxygen regulator R-76-75-540
998331	Fuel gas regulator R-76-75-510

Outfit contains striker (790F34), goggles (17862), hose (22556).

OXWELD® GT-450 Outfit

The GT-450 is a Trade Master Outfit that comes with one welding and one cutting tip. While the deluxe outfit also comes with hose, striker and goggles, all GT outfits keep your costs down and let you add the accessories you need for the job.

Part No. 22461- OXWELD® GT-450 STD 540/510

Part No. 21992- OXWELD® GT-450 DLX 540/510



MADE IN USA

Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range		Up to 1" (25 mm)
Cutting range	Up to 1-1/2" (38 mm)	Up to 8" (203 mm)
Heating range		Up to 200 CFH acet. (294,000 BTU/hr.)

Outfit Contains:

Part No.	Description
999045	W-400 Torch
999046	CW-400 Cutting attachment
15Z18	Cutting tip 1502, 1-1/2 in.
998323	Oxygen regulator R-76-75-540
998370	Acetylene regulator R-76-15-510

Deluxe outfits contain striker (790F34), goggles (17862), hose (22556).



Welding and Cutting Outfits

OXWELD® GT-510 Outfit

The GT-510 is a GT-450 outfit in a durable, lockable toolbox and includes our Rosebud Jr. heating head.

Part No. 0558005108- OXWELD® GT-510



MADE IN USA

Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range		Up to 1" (25 mm)
Cutting range	Up to 1-1/2" (38 mm)	Up to 8" (203 mm)
Heating range	Up to 30 CFH acet. (44,000 BTU/hr.)	Up to 200 CFH acet. (294,000 BTU/hr.)

Outfit Contains:

Part No.	Description
999045	W-400 Torch
999046	CW-400 Cutting attachment
15Z18	Cutting tip 1502, 1-1/2"
998323	Oxygen regulator R-76-75-540
998370	Acetylene regulator R-76-15-510
0558006160	Rosebud Jr. heating head

Outfit contains striker (790F34), goggles (17862), hose (22556).

OXWELD® 400/PUROX® 300 FlameMaster Outfits

The FlameMaster outfits are ideal for all flame applications. Included in the outfit are a torch, cutting attachment, and heating head, as well as a wide range of welding and cutting tips (see chart). Operates with medium pressure acetylene. Optional tips available for other fuel gases.

Part No. 22498- OXWELD® 400

Part No. 22497- PUROX® 300



MADE IN USA

Range	OXWELD® 400	PUROX® 300
Welding range	Up to 1/8" (3 mm)	Up to 1/8" (3 mm)
Cutting range	Up to 8" (203 mm)	Up to 4" (102 mm)
Heating range	81,000 BTU/hr.	81,000 BTU/hr.

Outfit Contains:

OXWELD® 400	PUROX® 300	Description
999045	999339	W-400/W-300 Torch
999046	999340	CW-400/CW-300 Cutting attach.
998775	998775	#55 Rosebud
639439	639439	Welding head #2
639441	639441	Welding head #6
639442	639442	Welding head #9
08Z67		Cutting tip 1502, 1/4"
15Z17		Cutting tip 1502, 1/2"
15Z18		Cutting tip 1502, 1-1/2"
15Z19		Cutting tip 1502, 4"
15Z20		Cutting tip 1502, 8"
	638869	Cutting tip 4202, 1/8"
	16K08	Cutting tip 4202, 1/4"
	16K09	Cutting tip 4202, 1/2"
	16K10	Cutting tip 4202, 1-1/2"
	16K11	Cutting tip 4202, 4"

PUROX® Trade Master Outfit

Same as the heavy-duty OXWELD® Trade Master, but takes PUROX® (4200 Series) cutting tips. This top-of-the-line outfit contains components built for rugged use and offers heavy-duty performance in a wide range of industrial, construction, maintenance and other metal working applications.

Part No. 603370- PUROX® Trade Master DLX 540/300

Part No. 999995- PUROX® Trade Master DLX 540/510



MADE IN USA

Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range	Up to 3/8" (10 mm)	Up to 1" (25 mm)
Cutting range	Up to 1-1/2" (38 mm)	Up to 8" (203 mm)
Heating range	Up to 55 CFH acet. (81,000 BTU/hr.)	Up to 200 CFH acet. (294,000 BTU/hr.)

Outfit Contains:

Part No.	Description
999339	W-300 Torch
999340	CW-300 Cutting attachment
16K10	Cutting tip 4202, 1-1/2 in.
639441	Welding head #6
639443	Welding head #15
17263	Welding head #30
998775	Rosebud heating head #55 O-A
998323	Oxygen regulator R-76-75-540
998328	Acetylene regulator R-76-15-300 or
998370	Acetylene regulator R-76-15-510

Deluxe outfits contain striker (790F34), goggles (17862), hose (22556).

Welding and Cutting Outfits

PUROX® Metal Master Outfit

The same heavy-duty welding torch and cutting attachment that is in the PUROX® Trade Master Outfit is also in the Metal Master. Special features include 2-1/2" gauges on the R-72 regulators and ease-on oxygen valves in the CW-300 cutting attachment. Smooth, dependable performance over a considerable operating range makes this an excellent choice for general purpose welding, heating and cutting.

Part No. 22450- PUROX® Metal Master STD 540/510

Part No. 998691- PUROX® Metal Master DLX 540/510



MADE IN USA

Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range	Up to 3/8" (10 mm)	Up to 1" (25 mm)
Cutting range	Up to 1-1/2" (38 mm)	Up to 8" (203 mm)
Heating range		Up to 200 CFH acet. (294,000 BTU/hr.)

Outfit Contains:

Part No.	Description
999339	W-300 Torch
999340	CW-300 Cutting attachment
16K10	Cutting Tip 4202, 1-1/2"
639441	Welding head #6
639443	Welding head #15
17263	Welding head #30
21524	Oxygen regulator R-72-75-540
21525	Acetylene regulator R-72-15-510

Deluxe outfits contain striker (790F34), goggles (17862), hose (22556).

PUROX® GT-350 Outfit

The GT-350 is a Metal Master Outfit with one welding and one cutting tip. While the deluxe outfit also comes with hose, striker and goggles, all GT outfits keep your costs down and let you add the accessories you need for the job.

Part No. 21778- PUROX® GT-350 DLX 540/300

Part No. 22459- PUROX® GT-350 STD 540/510

Part No. 21777- PUROX® GT-350 DLX 540/510



MADE IN USA

Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range		Up to 1" (25 mm)
Cutting range	Up to 1-1/2" (38 mm)	Up to 8" (203 mm)
Heating range		Up to 200 CFH acetylene (294,000 BTU/hr.)

Outfit Contains:

Part No.	Description
999339	W-300 Torch
999340	CW-300 Cutting attachment
16K10	Cutting tip 4202, 1-1/2"
21524	Oxygen regulator R-72-75-540
21526	Acetylene regulator R-72-15-300
21525	Acetylene regulator R-72-15-510 OR

Deluxe outfits contain striker (790F34), goggles (17862), hose (22556).

PUROX® GT-510 Outfit

The GT-510 is a GT-350 outfit in a durable, lockable toolbox and includes our Rosebud Jr. heating head.

Part No. 0558005107- PUROX® GT-510



MADE IN USA

Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range		Up to 1" (25 mm)
Cutting range	Up to 1-1/2" (38 mm)	Up to 8" (203 mm)
Heating range	Up to 30 CFH acetylene (44,000 BTU/hr.)	Up to 200 CFH acetylene (294,000 BTU/hr.)

Outfit Contains:

Part No.	Description
999339	W-300 Torch
999340	CW-300 Cutting attachment
16K10	Cutting tip 4202, 1-1/2"
21524	Oxygen regulator R-72-75-540
21525	Acetylene regulator R-72-15-510
0558006160	Rosebud Jr. heating head

Outfit contains striker (790F34), goggles (17862), hose (22556).



Welding and Cutting Outfits

PUROX® “E” Master Outfit

The “E” Master is a prime performer for contractors, scrap burners, steel fabricators, structural iron workers, foundry men and other industrial users. In addition to a full range of normal cutting operations, its usefulness extends to pad washing, rivet cutting, gouging or grooving, piercing and heating, plus specialized applications.

Part No. 22448- PUROX® “E” Master STD 540/510
Part No. 999994- PUROX® “E” Master DLX 540/510



Range	Outfit as furnished	Outfit with optional heads and nozzles
Cutting range	Up to 4" (102 mm)	Up to 12" (305 mm)

Outfit Contains:

Part No.	Description
04L06	“E” Torch, 90°
16K09	Cutting tip 4202, 1/2"
16K10	Cutting tip 4202, 1-1/2"
16K11	Cutting tip 4202, 4"
998324	Oxygen regulator R-76-150-540
998370	Acetylene regulator R-76-15-510

Deluxe outfits contain striker (790F34), goggles (17862), hose (22556).

PREST-O-LITE® GT-200

With lightweight and easily handled components, the Precision Master Outfit is the best selection for professional jewelry work, metal sculpturing, plus light-duty repair and maintenance work on aircraft frames, auto bodies and mufflers. Sold with or without tote.

Part No. 0558005266- PREST-O-LITE® GT-200 DLX 540/510
Part No. 0558005267- PREST-O-LITE® GT-200 DLX “B”
Part No. 0558005268- PREST-O-LITE® GT-200 DLX “MC”
Part No. 0558005269- Prest-O-Pak GT-200 DLX w/ tote



Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range	Up to 3/16" (5 mm)	Up to 3/8" (10 mm)
Cutting range	Up to 1/2" (13 mm)	Up to 2" (51 mm)
Heating range	Up to 15 CFH acetylene (22,000 BTU/hr.)	Up to 40 CFH acetylene (58,667 BTU/hr.)

Outfit Contains:

Part No.	Description
999805	W-200 Torch
05L20	CW-200 Cutting attachment
16K09	Cutting tip 4202 1/2"
18564	Oxygen regulator R-22-75-540A
998765	Acetylene regulator R-22-15-510 or
05X01	Acetylene regulator R-22-15-520 “B” or
05X02	Acetylene regulator R-22-15-200 “MC”
Part No.	Accessories
0558003632	Tote

Deluxe outfits contain striker (790F34), goggles (17862), hose (22556).

Precision Master Outfit

With lightweight and easily handled components, the Precision Master Outfit is the best selection for professional jewelry work, metal sculpturing, plus light-duty repair and maintenance work on aircraft frames, auto bodies and mufflers. Sold with or without tote and tanks.

Part No. 600500- Prest-O-Pak Precision Master DLX “MC” w/ tote
Part No. 22455- Prest-O-Pak Precision Master DLX “MC” tote w/ tanks



Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range	Up to 3/16 in. (5 mm)	Up to 3/8 in. (10 mm)
Cutting range	Up to 1/2 in. (13 mm)	Up to 2 in. (51 mm)
Heating range	Up to 15 CFH acetylene (22,000 BTU/hr.)	Up to 40 CFH acetylene (58,667 BTU/hr.)

Outfit Contains:

Part No.	Description
999805	W-200 Torch
05L20	CW-200 Cutting attachment
16K09	Cutting tip 4202 1/2"
06L48	Welding head #4
06L49	Welding head #6
06L50	Welding head #9
18564	Oxygen regulator R-22-75-540A
05X02	Acetylene regulator R-22-15-200 “MC”
Part No.	Accessories
0558003632	Tote
22457	Oxygen tank “R”, 20 Cu. Ft.
22456	Acetylene tank “MC”, 10 Cu. Ft.

Deluxe outfits contain striker (790F34), goggles (17862), hose (22556).

Welding and Cutting Outfits

Precision Master II Outfit

With lightweight and easily handled components, the Precision Master Outfit is the best selection for professional jewelry work, metal sculpturing, plus light-duty repair and maintenance work on aircraft frames, auto bodies and mufflers. Sold with or without tote and tanks.

Part No. 0558003742- Precision Master DLX "MC" w/ tote
Part No. 0558003743- Precision Master DLX "MC" tote w/ tanks

Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range	Up to 3/16" (5 mm)	Up to 3/8" (10 mm)
Cutting range	Up to 1/2" (13 mm)	Up to 2" (51 mm)
Heating range	Up to 15 CFH acet. (22,000 BTU/hr.)	Up to 40 CFH acet. (58,667 BTU/hr.)



Outfit Contains:

Part No.	Description
99805	W-200 Torch
05L20	CW-200 Cutting attachment
16K09	Cutting tip 4202 1/2"
06L49	Welding head #6
22554	Oxygen regulator R-522-75-540A
22555	Acetylene regulator R-522-15-510

Part No. 0558003743 also Contains:

Part No.	Description
22457	Oxygen tank "R", 20 Cu. Ft.
22456	Acetylene tank "MC", 10 Cu. Ft.
954880	POL Label

Deluxe outfits contain striker (790F34), goggles (17862), hose (22556).

PREST-O-LITE® Maintenance Outfit

The PREST-O-LITE® Maintenance Outfit includes the lightweight W-200 aircraft-style torch handle with replaceable "A" size inlets and front mounted throttle valves. It has everything you need for brazing, soldering and cutting. The Maintenance Outfit can also be ordered as a Prest-O-Pak with tote or tote and tanks.

Part No. 639103- PREST-O-LITE® DLX Maintenance Outfit "B"
Part No. 639130- PREST-O-LITE® DLX Maintenance Outfit "MC"
Part No. 600499- Prest-O-Pak DLX Maintenance Outfit "MC" w/ tote
Part No. 22526- Prest-O-Pak DLX Maintenance Outfit "MC" Tote w/ tanks



Range	Outfit as furnished	Outfit with heads and nozzles
Welding Range	Up to 1/16 in. (1.5 mm)	Up to 3/8 in. (10 mm)
Cutting Range	Up to 1/2 in. (13 mm)	Up to 2 in. (50 mm)
Heating Range	Up to 6 CFH acet. (8,850 BTU/hr.)	Up to 40 CFH acet. (58,667 BTU/hr.)

Outfit Contains:

Part No.	Description
999805	W-200 Torch
05L20	CW-200 cutting attachment
16K09	Cutting Tip 4202, 1/2 in.
639040	Air-Gas adaptor
10X23	Air-Gas soldering t #3
06L49	Brazing tip #6
18564	Oxygen regulator R-22-75-540A
05X01	Acetylene regulator R-22-15-520 "B" or
05X02	Acetylene regulator R-22-15-200 "MC"

Accessories

Part No.	Description
0558003632	Tote
22457	Oxygen tank "R", 20 Cu. Ft.
22456	Acetylene tank "MC", 10 Cu. Ft.

Deluxe outfits contain striker (790F34), goggles (17862), hose (22556).

PREST-O-LITE® Brazing Outfit

The Brazing Outfit features the W-200 torch handle with piston type connection for hand tightening welding and soldering heads. Patented explosion protection is built in to each regulator. The Brazing Outfit can also be ordered as a Prest-O-Pak with tote or tote and tanks.

Part No. 638593- PREST-O-LITE® DLX Brazing Outfit "B" 638593
Part No. 639021- PREST-O-LITE® DLX Brazing Outfit "MC"
Part No. 600498- Prest-O-Pak DLX Brazing Outfit "MC" w/ tote
Part No. 22527- Prest-O-Pak DLX Brazing Outfit "MC" tote w/ tanks

Range	Outfit as furnished	Outfit with optional heads and nozzles
Welding range	Up to 1/8" (3 mm)	Up to 3/8" (10 mm)
Heating range	Up to 9 CFH acet. (13,300 BTU/hr.)	Up to 40 CFH acet. (58,667 BTU/hr.)



Outfit Contains:

Part No.	Outfits contain
999805	W-200 Torch
06L48	Welding head #4
06L50	Welding head #9
18564	Oxygen regulator R-22-75-540A
05X01	Acetylene regulator R-22-15-510 "B" or
05X02	Acetylene regulator R-22-15-200 "MC"

Accessories

Part No.	Outfits contain
0558003632	Tote
22457	Oxygen tank "R", 20 Cu. Ft.
22456	Acetylene tank "MC", 10 Cu. Ft.

Deluxe outfits contain striker (790F34), goggles (17862), hose (22556).



PREST-O-LITE® Air-Acetylene Swirljet® Kits

X-3B POL Kit

Flexible kit bronze brazes light/medium gauge steel.

- Soft solders to 4" (100 mm).
- Silver brazes to 2" (50 mm).
- "B" tank connection.

Part No. 21954



Part No.	Kit Contains
04X36	R-411B (CGA520) Regulator
21702	POL QD#1 Torch
21703	QD-SJ-3A Tip
21704	QD-SJ-4A Tip
501F12	Hose 12-1/2' x 3/16" A-A

X-4B POL Kit

Higher capacity kit bronze brazes medium/heavy gauge steel.

- Soft solders to 6" (150 mm).
- Silver brazes to 4" (100 mm).
- "B" tank connection.

Part No. 21955



Part No.	Kit Contains
04X36	R-411B (CGA520) Regulator
21702	POL QD#1 Torch
21704	QD-SJ-4A Tip
21705	QD-SJ-5A Tip
501F12	Hose 12-1/2' x 3/16" A-A

X-5B POL Kit

Flexible lighter duty kit.

- Soft solders to 2" (50 mm).
- Silver brazes to 1" (25 mm).
- "B" tank connection.

Part No. 21956



Part No.	Kit Contains
04X36	R-411B (CGA520) Regulator
21702	POL QD#1 Torch
21703	QD-SJ-3A Tip
501F12	Hose 12-1/2' x 3/16" A-A
790F34	Friction lighter

X-6MC POL Kit

All purpose kit for using "MC" tank.

- Soft solders to 2" (50 mm).
- Silver brazes to 1" (25 mm).
- "MC" tank connection.

Part No. 21957



Part No.	Kit Contains
04X37	R-411MC (CGA200) Regulator
21702	POL QD#1 Torch
21703	QD-SJ-3A Tip
21704	QD-SJ-4A Tip
501F12	Hose 12-1/2' x 3/16" A-A



PZ-5A "MC" Kit

Self-Lighting Tip.

- Soft solders to 2" (50 mm).
- Silver brazes to 1" (25 mm).
- "MC" tank connection.

Part No. 0558003175



Part No.	Kit Contains
04X37	R-411MC (CGA200) Regulator
21702	POL QD#1 Torch
22575	PZ5A Tip
501F12	Hose 12-1/2' x 3/16" A-A
0558003175	Kit Available with R-411B Reg

LP-1 POL Kit - LP

- Soft solders to 6" (150 mm).
- Silver brazes to 4" (100 mm).

Part No. 21951



Part No.	Kit Contains
05X38	R-416 LPG Regulator
21702	POL QD#1 Torch
21707	QD-SJ-4LPG Tip
21709	QD-SJ-6LPG Tip
90F50	Hose 12-1/2' x 3/16", A-A fuel gas

LP-2 POL Kit - LP

For jobbing and smaller work.

- Soft solders to 2-1/2" (60 mm).
- Silver brazes to 1-1/4" (30 mm).

Part No. 21952



Part No.	Kit Contains
05X38	R-416 LPG Regulator
21702	POL QD#1 Torch
21706	QD-SJ-3LPG Tip
21708	QD-SJ-5LPG Tip
90F50	Hose 12-1/2' x 3/16", A-A fuel gas

LP-3 POL Kit - LP

- Soft solders to 4" (100 mm).
- Silver brazes to 2" (50 mm).

Part No. 21953



Part No.	Kit Contains
05X38	R-416 LPG Regulator
21702	POL QD#1 Torch
21707	QD-SJ-4LPG Tip
90F50	Hose 12-1/2' x 3/16", A-A fuel gas
790F34	Friction lighter

Torches, Heads & Cutting Attachments

OXWELD® CW-23 Cutting Attachment

Cutting Range.....1/16 to 8"
Cutting Nozzles.....1500 series

CW-23/FG Cutting Attachment
Part No. 998258 (90° Head**)

CW-23 Cutting Attachment
Part No. 01X36 (90° Head*)
Part No. 01X35 (75° Head*)

*For acetylene
**For fuel gases other than acetylene



OXWELD® W-17 Torch

Welding Range.....1/32 to 1"
Heating Range.....4 to 250 CFH acetylene
(5900 to 368,000 BTU/hr.)

Part No. 4250



W-17 Single Flame

Acetylene Welding/Heating Heads

Steel Thickness Inches	Complete Head Assembly	
	Size	Part No.
1/32 - 1/16	4A	639865
1/16 - 3/32	6A	639866
3/32 - 1/8	9A	639867
1/8 - 3/16	12A	17270
3/16 - 1/4	15A	639868
1/4 - 1/2	30A	639869
1/2 - 3/4	55A	998101
3/4 - 1	70A	998102
Heating	100A	10X03
	150A	10X05
	250A	10X07



W-17 Heating Heads

Standard Multiflame

Heating Head Assembly		No. of Flames	Avg. Heat Output BTU/hr.
Size	Part No.		
For Acetylene Use			
70A	998047	7	102,000
100A	11X22	8	147,000
150A	11X24	12	221,000
250A	11X26	20	368,000
For Fuel Gases Other Than Acetylene			
70FG	998038	7	102,000
100FG	11X32	8	147,000
150FG	11X34	12	221,000
250FG	11X36	20	368,000



W-17 Rosebud Style

Multiflame Heating Heads

Heating Head Assembly		No. of Flames	Avg. Heat Output BTU/hr.
Size	Part No.		
For Acetylene Use			
55 O-A	998819	9	81,000
70 O-A	998820	9	102,000
100 O-A	998821	13	147,000
200 O-A	998822	16	221,000
250 O-A	998823	16	368,000
For Fuel Gases Other Than Acetylene			
100 O-FG	999233	8	147,000
200 O-FG	999234	21	221,000

OXWELD® CW-500 Cutting Attachment

Cutting Range using acetylene..1/16" to 8"
Cutting Range using other
fuel gases1/16" to 4"
Cutting Nozzles.....1500 series

W-500 Cutting Attachment
Part No. 999220 (90° Head)



OXWELD® W-500 Torch

Welding Range.....Thin gauge to 1"
Heating Range.....up to 300 CFH acetylene
(441,000 BTU/hr.)

Acetylene and other fuel gases may be used.
A No. 500 Rosebud heating head (see below) is available.

W-500 Welding Torch
Part No. 999079



W-500 Single Flame

Acetylene Welding Heads

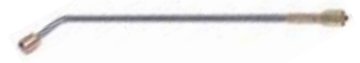
Steel Thickness Inches	Complete Head Assembly	
	Size	Part No.
25 ga. - 3/32	4A	639880
1/32 - 1/16	6A	639881
1/16 - 1/8	9A	639882
1/8 - 3/16	15A	639883
3/16 - 3/8	30A	20336
5/8 - 1	70A	998116



W-500 Heating Heads

Standard Multiflame

Heating Head Assembly		No. of Flames	Avg. Heat Output BTU/hr.
Size	Part No.		
For Oxy-Acetylene Use			
100A	10X86	8	147,000
150A	10X88	12	220,000
300A	10X91	24	441,000
For Oxy-Fuel Gas Use - FG-2, Propane, Natural Gas, etc.			
100FG	11X03	8	147,000
300FG	11X08	24	441,000



W-500 Rosebud Style

Multiflame Heating Heads

Heating Head Assembly		No. of Flames	Avg. Heat Output BTU/hr.
Size	Part No.		
For Oxy-Acetylene Use			
70 O-A	998834	9	103,000
100 O-A	998835	13	147,000
200 O-A	998836	16	294,000
250 O-A	998837	16	368,000
For Oxy-Fuel Gas Use - FG-2, Propane, Natural Gas, etc.			
200 O-FG	999236	24	297,000
500 O-FG	999088	29	735,000



Torches, Heads & Cutting Attachments

OXWELD® CW-400 Cutting Attachment

Cutting Range using acetylene1/16" to 8"
Cutting Range using other fuel gases.....1/16" to 4"
Cutting Nozzles (CW-400).....1500 series



CW-400 Cutting Attachment
Part No. 999046 (90° Head)
Part No. 999622 (75° Head)

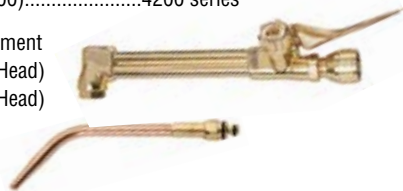


PUROX® CW-300 Cutting Attachment

Cutting Range using acetylene.....1/16" to 8"
Cutting Range using other fuel gases.....1/16" to 4"
Cutting Nozzles (CW-300).....4200 series



CW-300 Cutting Attachment
Part No. 999340 (90° Head)
Part No. 999341 (75° Head)



OXWELD® W-400 Torch

Welding Range.....Thin gauge to over 1"
Heating Range.....1 to 200 CFH acetylene

Equivalent to approximately 1400 to 300,000 BTU/hr.
Acetylene and other fuel gases may be used.

W-400 Welding Torch
Part No. 999045



PUROX® W-300 Torch

Welding Range.....Thin gauge to over 1"
Heating Range.....1 to 200 CFH acetylene
Equivalent to approximately 1400 to 300,000 BTU/hr.
Acetylene and other fuel gases may be used.

W-300 Welding Torch
Part No. 999339



W-400/300 Single Flame

Acetylene Standard Welding Heads

Steel Thickness Inches	Complete Head Assembly	
	Size	Part No.
to 32 ga.	1A	639438
32-25 ga.	2A	639439
25 ga. - 1/32	4A	639440
1/32 - 1/16	6A	639441
1/16 - 1/8	9A	639442
1/8 - 3/16	12A	17268
3/16 - 1/4	15A	639443
1/4 - 3/8	30A	17263
3/8 - 5/8	55A	998085
5/8 - 1	70A	998086
over 1	100A	998087

W-400/300 Heating Heads

Standard Multiflame

Complete Head Assembly		No. of Flames	Avg. Heat Output BTU/hr.
Size	Part No.		
For Acetylene Use			
55A	998089	7	81,000
70A	998090		102,000
100A	998091	8	147,000
150A	998092	12	221,000
For Oxy-Fuel Gas Use - FG-2, Propane, Natural Gas, etc.			
70FG	998093	7	104,000
100FG	998278	8	147,000
150FG	998276	12	220,000

W-400/300 Rosebud

Multiflame Heating Heads

Complete Head Assembly		No. of Flames	Avg. Heat Output BTU/hr.
Size	Part No.		
For Acetylene Use			
15 O-A	998773	6	22,000
30 O-A	998774		44,000
Rosebud Jr.	0558006160		44,000
55 O-A	998775	9	81,000
70 O-A	998776		103,000
100 O-A	998777	13	147,000
200 O-A	998778	16	294,000
For Oxy-Fuel Gas Use - FG-2, Propane, Natural Gas, etc.			
70 O-FG	999225	8	104,000
100 O-FG	999228		148,000
200 O-FG	999231		297,000

PREST-O-LITE® CW-200 Cutting Attachment

Cutting Range.....1/16" to 2"
Cutting Nozzles.....4200 Series

CW-200 Cutting Attachment
Part No. 05L20 (90° Head)



PREST-O-LITE® W-200 Torch

Welding Range.....Thin gauge to 3/8"
Heating Range.....1 to 40 CFH acetylene (1470 to 58,667 BTU/hr.)

W-200 Welding Torch
Part No. 999805



W-200 Single Flame

Acetylene Welding Heads

Steel Thickness Inches	Complete Head Assembly	
	Size	Part No.
to 32 ga.	1	06L46
32 - 25 ga.	2	06L47
25 ga. - 1/32	4	06L48
1/32 - 1/16	6	06L49
1/16 - 1/8	9	06L50
1/8 - 3/16	15	06L52
3/16 - 3/8	30	06L54

W-200 Rosebud

Acetylene Heating Heads

Complete Head Assembly		No. of Flames	Avg. Heat Output BTU/hr.
Size	Part No.		
15	07L13	8	22,000
30	07L15		44,000
40	07L17		59,000

W-200 Twin-Flame

Complete Head Assembly		No. of Flames	Avg. Heat Output BTU/hr.
Size	Part No.		
40	07L18 (acet.)	2	22,000
40	07L19 (F.G.)	2	44,000

PREST-O-LITE® Swirljet® Tips & Torch Handles

Swirljet® Tips & Torch Handle

These Swirljet® tips are designed to be used with the PREST-O-LITE® #1 Quick Disconnect torch handle. They run quieter, cooler and give better heat transfer than other comparable tips.



Part No. 21702



Part No. 19505 Tip Adaptor to connect POL tips to Quick Disconnect torch handles

Part No.	Description
21702	POL #1 Quick disconnect torch handle

PZ-5A Spark Lighting Tip Acetylene/Fuel Gas

- One-handed operation.
- No Need for a separate sparklighter.
- Swirl Flame for maximum heat transfer.



Air Acetylene, Swirl Flame, Auto-Ignite Tips

Part No.	Quick Connect Model No.	Replacement Tip End	Part No.	Copper Tubing Size Capacity @ 15 PSIG Acetylene		
				Soft Solder	Silver Solder	Gas Flow (SCFH)
22602	PZ-3A	PZ-3ATR	22605	1/4" - 1"	1/8" - 1/2"	3.5
22603	PZ-4A	PZ-4ATR	22606	3/4" - 1-1/2"	1/4" - 3/4"	5.1
22575	PZ-5A	PZ-5ATR	22607	1" - 2"	1/2" - 1"	6.8
22604	PZ-6A	PZ-6ATR	22608	2" - 4"	1" - 2"	9.1



Fuel Gas, Swirl Flame, Auto-Ignite Tips

Part No.	Quick Connect Model No.	Replacement Tip End	Part No.	Copper Tubing Size Capacity using 25 ~ 40 PSIG			
				Propane Gas		MAPP® Gas	
				Soft Solder	Silver Solder	Soft Solder	Silver Solder
22609	PZ-3P	PZ-3PTR	22612	1/4" - 1"	1/8" - 1/2"	1/4" - 1-1/2"	1/4" - 1/2"
22610	PZ-4P	PZ-4PTR	22613	3/4" - 1-1/2"	1/4" - 3/4"	1/4" - 2-1/2"	1/4" - 1-1/4"
22611	PZ-5P	PZ-5PTR	22614	1-1/2" - 2-1/2"	1/2" - 1-1/4"	1" - 4"	1/2" - 2"

Acetylene Swirljet® Tips



Part No.	Description	Fuel	Pressure PSIG	Gas Flow CFH	Copper Tubing Size & Capacity Soft Solder	Silver Braze	Replacement Mixer Nozzle
22591	QD SJ-OA	Acetylene	13	2	1/8" - 1/2"	1/8" - 1/4"	0558001906
22592	QD SJ-1A			3.6	1/4" - 1/2"	1/8" - 1/2"	0558001907
22593	QD SJ-2A			5.7	3/4" - 1-1/2"	1/4" - 3/4"	0558001908
21703	QD SJ-3A			7.2	up to 2"	1/2" - 1"	21481
21704	QD SJ-4A			12.8	2" - 4"	1" - 2"	21482
21705	QD SJ-5A			33.8	4" - 6"	1" - 4"	21483

Fuel Gas Swirljet® Tips



Part No.	Description	Model	Pressure Fuel	Gas Flow PSIG	Copper Tubing Size & Capacity			
					CFH	Soft Solder	Silver Braze	Mixer Nozzle
21706	QD SJ-3LPG	T-3	FG-2*	32	1.5	1/4" - 1-1/2"	1/4" - 1/2"	21478
21707	QD SJ-4LPG	T-4			3.1	1/4" - 2-1/2"	1/4" - 1-1/4"	21479
21708	QD SJ-5LPG	T-5			8.0	1" - 4"	1/2" - 2"	21480
21709	QD SJ-6LPG	T-6			16.2	1" - 6"	3/4" - 4"	21482

* These tips can also be used with Propane and MAPP Gas (refer to instruction literature for appropriate pressures and flows for these gases).

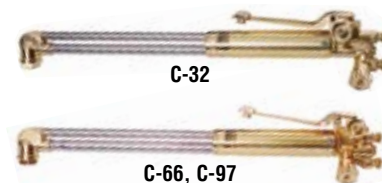
Filter Screw Assembly - Part No. 998311 (for all tips - except #5 Acetylene uses screw assembly Part No. 998312)



Hand Cutting Torches

OXWELD® C-32, C-66

- Floating mixers (C-32) or injectors (C-66) with precise clearance at mixing point – for uniform mixing of oxygen and fuel gas and for optimum flashback resistance.
- Handle special operations – pad washing, rivet head washing, rivet shank piercing, plate gouging and grooving.



OXWELD® C-32

- Cuts up to 12" steel with acetylene, 3" with any other commercial fuel gases.
- Optional mixer assembly (Part No. 01Y67) can be used to extend cutting range to 12" with other fuel gases.

OXWELD® C-66

- Cuts steel up to 20" thick.
- Injector operates with any low and medium pressure fuel gas except acetylene.

OXWELD® C-97

- Cuts up to 12" steel with acetylene, 16" with any other fuel gases.



Part No.	Description
C-32 Cutting Torch (Std. 21" model)	
01X23	w/75° head for all fuel gases
01X26	w/90° head for all fuel gases
C-66 Cutting Torch (Std. 21" model)	
427X70	w/75° head, LPHC injector
427X71	w/90° head, LPHC injector
C-97 Cutting Torch (Std. 21" model)	
22053	w/75° head
22054	w/90° head

Type "E", C-77

- Ease-on control of cutting oxygen – ideal valve action for pierce starts, gouging, and rivet busting.
- Performs efficiently with any fuel gas.
- Front, bottom-mounted cutting oxygen lever – for convenient handling.
- Heat resistant nickel-silver alloy tubes – provide rigidity and high corrosion resistance.



Cutting Capacity:

Acetylene and Other Fuel Gases.....up to 12" (305 mm)

Nozzles:

Type "E".....4200 series
C-77.....1500 series



Part No.	Description
PUROX® Type "E" Cutting Torch*	
04L04	21" w/75° head for acetylene
04L06	21" w/90° head for acetylene
04L16	21" w/180° head for acetylene
998260	21" w/90° head for other fuel gases
OXWELD® C-77 Cutting Torch	
28X55	21" w/90° head for acetylene
Lifetime Warranty	
*special length torches assembled upon request.	
19048	For acetylene
19050	For acetylene w/max. preheat capacity
19049	For other fuel gases at over 5 PSI
19417	For low PSI natural gas

Hose Line Flash Arrestors

- When attached to torch handles with "B" size inlets, will actually stop a flashback.
- Also designed to stop reverse flow of gases; should be left in place when hose is detached.



Part No.	Description
Flash Arrestors	
20357	Matched pair torch
20373	Oxygen only torch
20374	Fuel gas only torch
Reg Mounted Arrestors CV/FA	
0558002693	Acetylene regulator
0558002694	Oxygen regulator
0558002695	Matched pair regulator

Reverse Flow Check Valves

- Attached either to a torch or to a regulator, provide a certain measure of protection against reverse flow of gases.
- Any condition that might cause reverse flow will close the valve completely. Reverse flow check valves should be tested periodically for reverse flow leakage. Frequency of testing depends on severity of service.

CAUTION: These valves ARE NOT designed to stop a flashback.

Flow rate maximum - 100 CFH using flash arrestors or check valves.

Part No.		Description
Oxygen	Fuel Gas	
639110	639109	For attachment to "B" size torch inlets
639112	639111	For replacement of 1/4" NPT to "B" size reg. outlet connection
639209	639210	For attachment to "B" size regulator outlets

Machine Cutting Torches

OXWELD® C-58

- For use with portable straight line or shape-cutting machines.
- Cuts steel up to 6".
- Available in 2-hose (single oxygen inlet) or 3-hose models.
- Mixer handles any medium pressure fuel gas - including acetylene.
- Uses high performance 1500 series cutting nozzles.

OXWELD® C-67

- For use with any fuel gas except acetylene.
- Injector determines capacity – torch supplied with one injector installed.
- Three hose connections – separate cutting oxygen for improved performance.



MADE IN USA



C-58

C-67

Injector Legend

LPMC (01Y56, 01Y74) Type III - low pressure, medium capacity for general purpose cutting from 1/8" to 14" thick steel. Best all-around choice for multiple torch operation. Good multi-torch balance capability, coupled with heavier preheat than LLPMC injector, for quick pierce starts. Requires a minimum fuel gas pressure of 5 PSI.

LLPMC (01Y61) Type I - low, low pressure, medium capacity for cutting up to 8" thick steel. Recommended only when maximum available fuel gas pressures are less than 5 PSI. Excellent multi-torch balance capability, but limited preheat intensity, resulting in longer preheat times when piercing.

LPHC (01Y57, 01Y75) Type II - low pressure, high capacity for cutting up to 20" thick steel with fuel gas pressures of at least 3 PSI. Recommended for heavy preheat applications such as beveling, auxiliary preheat, etc. Not recommended where multi-torch balance is required.

MPHC (01Y58) - medium pressure, high capacity for very heavy preheat and cutting applications up to 20" with 1500 series nozzles and 28" with 1400 series steel industry torches and nozzles. A minimum of 5 PSI fuel gas pressure is required. Use only with nozzle sizes for 12" or larger.

Part No.	Description
Torches For Any Fuel Gas	
02X74	C-58 2 connection (12.5", 318 mm), 1-3/8" Barrel Dia.
02X44	C-58 3 connection (12.5", 318 mm), 1-3/8" Barrel Dia.
Torches For FG-2, Natural Gas, and Propane	
28X31	C-67-20, LLPMC (20.5", 520 mm), 1-3/8" Barrel Dia. (Type I)
28X28	C-67-20, LPHC (20.5", 520 mm), 1-3/8" Barrel Dia. (Type II)
28X35	C-67-12, LPHC (12.75", 324 mm), 1-3/8" Barrel Dia. (Type II)
28X29	C-67-20, LPMC (20.5", 520 mm), 1-3/8" Barrel Dia. (Type III)
28X22	C-67-20, MPHC (20.5", 520 mm), 1-3/8" Barrel Dia.
C-67 Accessory Injectors	
01Y61	20.5" (520 mm) LLPMC (Type I)
01Y57	20.5" (520 mm) LPHC (Type II)
01Y56	20.5" (520 mm) LPMC (Type III)
01Y75	12.75" (324 mm) LPHC (Type II)
01Y74	12.75" (324 mm) LPMC (Type III)
01Y58	20.5" (520 mm) MPHC

CM-79 Portable Cutting Machine

- Solid state controls for dependable, maintenance-free service.
- Three position switch for start, stop and reverse.
- Clutch levers at both ends of carriage for greater accessibility.
- Direct reading speed control dial can be preset or instantly adjusted during operation.
- Normal speed range 0 to 60 IPM (0 to 25 mm/sec.).
- Sturdy one-piece aluminum housing.

Overall Size

Length.....	15-1/4" (387 mm)
Height (including mounting stud)	7" (178 mm)
Width	7-1/4" (184 mm)
Weight (without rigging or torch).....	21 lbs. (9.5 kg)
Carrying Load Maximum.....	250 lbs. (113.4 kg)
Speed Range.....	0 to 60 IPM* (0 to 25 mm/sec.)
Cutting Capacity.....	up to 4" thick** (102 mm)
Circle Cutting Range	2 to 54" *** (51 to 1371 mm)
Power Requirements.....	120 VAC, 2 AMP (max.), 50/60 Hz, 1 Ph

* Can be adjusted to attain speeds up to 90 IPM (38 mm/sec.)

**Up to 10" (254 mm) with accessory heat shield.

***Can be increased by use of longer rod easily made from standard bar stock.



CM-79 w/C-58 Torch,
Rigging Assembly and Track

Part No.	Description
Machine or Rigging Only	
995557	CM-79 Portable machine carriage with 28' lead
16V90	Torch rigging assembly
Basic Machine Package	
998695	Includes standard machine, rigging and manifold kit*. Order torch separately
Complete Machine Package	
998947	Includes everything supplied with basic package plus C-58 torch (02X74), Heat shield and heavy duty 6' track section**

*Manifold kit - Part No. 639659

**6' track section - Part No. 16V82



Heavy Duty Steel Industry Torches

OXWELD® C-66-1400 Hand Cutting Torch

- Fast, efficient scrap cutting.
- Reliable emergency hand cutting in production mill environments.
- Designed for extra heavy-duty operations for long trouble-free service life.
- Cutting range 3" - 28".
- Torch lengths from 32" to 17'.
- Torches 9' and over have protective outer channel.
- Off-center 180° head allows kerf to be widened by rotating torch. Torch can then be inserted into kerf to deepen cut.
- Use 1400 series nozzles.
- Fuel gases except acetylene.



MADE IN USA



C-66-1400

OXWELD® High Capacity Manual Torches

Part No.	Model
22111	C-66-1400-21" - 75°
22112	C-66-1400-21" - 90°
22113	C-66-1400-21" - 180°
22118	C-66-1400-36" - 75°
22119	C-66-1400-36" - 90°
22120	C-66-1400-36" - 180°
718321	C-66-1400-48" - 75°
2120361	C-66-1400-48" - 90°
718322	C-66-1400-48" - 180°
718323	C-66-1400-60" - 75°
22122	C-66-1400-60" - 90°
718324	C-66-1400-60" - 180°
718325	C-66-1400-72" - 75°
22123	C-66-1400-72" - 90°
718326	C-66-1400-72" - 180°

OXWELD® PM-GST Hand Cutting Torch

- Fast, efficient scrap cutting.
- Reliable emergency hand cutting in production mill environments.
- Designed for extra heavy-duty operations for long trouble-free service life.
- Impossible to flashback because gas mixes outside nozzle tip.
- Fuel gases except acetylene.
- PM-GST means Post-Mix Gas Saving Torch.
- Superior emergency torch capability.
- High stand-off 4" - 6".
- Cutting range 3" - 24".
- Pilot flame mode saves gas in stand-by mode – ready for immediate use.
- Use standard PM-100/PM-200 nozzles.
- This torch cannot pierce plate.

Accessories

Hose Requirements:

- C-66-1400 and PM-GST
- Oxygen - "C" Size; Fuel "B" Size
- Cut Oxygen - 1/2", "C" Size

Riding Skid Assembly:

- C-66-1400 - Part No. 2029858



PM-GST

OXWELD® High Capacity Manual Torches

Part No.	Model
22094	PM-GST-48" - 90°
22098	PM-GST-48" - 180°
22087	PM-GST-60" - 75°
22095	PM-GST-60" - 90°
22099	PM-GST-60" - 180°
22096	PM-GST-72" - 90°
22097	PM-GST-96" - 90°
22101	PM-GST-96" - 180°
22090	PM-GST-120" - 75°
22102	PM-GST-120" - 180°
22091	PM-GST-144" - 75°
22106	PM-GST-144" - 90°
22103	PM-GST-144" - 180°
22092	PM-GST-192" - 75°
22104	PM-GST-192" - 180°
22093	PM-GST-216" - 75°
22105	PM-GST-216" - 180°



MADE IN USA

OXWELD® 1500 Group Nozzles

ACETYLENE- Hand or Machine Cutting Nozzles

1502 Series

- General purpose.
- Medium preheat, sufficient preheat for cutting dirty plate and for beveling.



Part No.	Metal Thickness		Size	No. Preheat Holes	Cleaning Preheat	Drill Size Cutting
	Inches	mm	Inches			
08Z67	1/4	6	1/4	6	69	68
15Z17	1/2	13	1/2		66	60
15Z18	1-1/2	38	1-1/2		65	53
15Z19	2 - 4	50-100	4		61	46
15Z20	6 - 8	150-200	8		57	39
15Z21	9 - 12	230-300	12		56	31
13A96	12 - 16	300-400	16*		54	20
13A97	16 - 18	400-460	18*		54	15
13A98	20	500	20*		54	8

Acetylene or MAPP® Nozzles

1564 Series

- Heavy preheat for beveling of prime coated steels or bevels in excess of 45°.
- Heavy scrap cutting.



Part No.	Metal Thickness		Size	No. Preheat Holes	Cleaning Preheat	Drill Size Cutting
	Inches	mm	Inches			
638983	1/4 - 1/2	6 - 13	1/2	8	67	60
638984	3/4 - 1-1/2	19 - 50	1-1/2		64	53
638985	2 - 4	50 - 100	4		62	46
638986	5 - 8	125 - 200	8		59	39
638987	59 - 12	230 - 300	12		56	31

FUEL GASES - Hand or Machine Cutting Nozzles

1515 Series

- Natural gas or propane one-piece.
- Long preheat flames.



1-piece Tip Part No.	Metal Thickness		Size	No. Preheat Holes	Cleaning Preheat	Drill Size Cutting
	Inches	mm	Inches			
08Z86	1/2 - 1-1/2	13 - 38	1-1/2	8	64	53
08Z87	2 - 4	50 - 100	4		62	46
08Z88	4 - 8	100 - 200	8		59	39
08Z89	8 - 12	200 - 300	12		56	3
65Z12	12 - 16	300 - 400	16	12	54	20
65Z13	16 - 18	400 - 450	18		53	15
65Z14	18	450	20		52	8

OXWELD® Special Nozzles – Acetylene, FG-2, Natural Gas and Propane

Acetylene Nozzles – 1511 Series

Propane - Natural Gas Nozzles – 1520 Series

FG-2 MAPP® Nozzles – 1568 Series

- For gouging, grooving plate edges for welding, removing defects from castings, pad washing.
- Bent 20°.
- 1511 and 1568 nozzles have stellite wear skids.



Part No.			Size	Cleaning Preheat	Drill Size Cutting
1511 Series	1520 Series	1568 Series			
15X14	15X33	998273	13	56	55
15X15	15X34	998274	19	55	49
15X16	15X35	998275	25	54	41



Cutting Nozzles

Fuel Gases - Hand or Machine Cutting 1567 Series

- Two-piece, high preheat.
- Hand or machine cutting.
- Fuel gases other than acetylene.



Metal Thickness	Size		Part No. 2-pc. Tip	Part No. External Sleeve			No. Preheat Slots	Cleaning Preheat	Drill Size Cutting
	Inches	mm		Inches	Natural Gas Propane	FG-2 MAPP®			
1/8	3	1/8	639614	639322	998277	998557	12	•	79
1/4	6	1/4	639615						69
1/2	13	1/2	639616						65
3/4	19	3/4	639617						61
1	25	1	639618						54
2	50	2	639619						51
3	75	3	639620						5/64
4	100	4	998734	14Z39	114Z08	998561	16	•	46
8	200	8	998735	14Z77†	639755	998558			39
12	300	12	998736						31
16	400	16	998737	14Z69	998269	998559	20	•	20
18	500	18	998738						8

1567 Series Sets

Metal Thickness	Set Part No.	Internal Part No.	Natural Gas Propane	Set Part No.	Internal Part No.	FG-2 MAPP®	Set Part No.	Internal Part No.	FG-2 MAPP®*
1/8"	0558005015	639614	639322	0558005027	639614	998277	0558005039	639614	998557
1/4"	0558005016	639615		0558005028	639615		0558005040	639615	
1/2"	0558005017	639616		0558005029	639616		0558005041	639616	
3/4"	0558005018	639617		0558005030	639617		0558005042	639617	
1"	0558005019	639618		0558005031	639618		0558005043	639618	
2"	0558005020	639619		0558005032	639619		0558005044	639619	
3"	0558005021	639620		0558005033	639620		0558005045	639620	
4"	0558005022	998734	14Z39	0558005034	998734	114Z08	0558005046	998734	998561
8"	0558005023	998735	14Z77	0558005035	998735	639755	0558005047	998735	998558
12"	0558005024	998736		0558005036	998736		0558005048	998736	
16"	0558005025	998737	14Z69	0558005037	998737	998269	0558005049	998737	998559
18"	0558005026	998738		0558005038	998738		0558005050	998738	

* Use where high preheat intensity is desired.

† Heavy-duty sleeve (Part No. 14Z96) is available for use in place of standard sleeve (Part No. 14Z77).

- To clean preheat slots, remove external sleeve and use a soft bristled brush.

1566 HS Series

- Two-piece, high-speed, high preheat for machine cutting.
- Fuel gases other than acetylene.



Metal Thickness	Size		Part No. 2-pc. Tip	Part No. External Sleeve			No. Preheat Slots	Cleaning Preheat	Drill Size Cutting
	Inches	mm		Inches	Natural Gas Propane	FG-2 MAPP®			
1/2	13	1/2	639600	639322	998277	998557	12	•	#
3/4	19	3/4	639601						
1	25	1	639602						
1-1/2	38	1-1/2	639603						
2	50	2	639604						
2-1/2	64	2-1/2	639605						
4	100	4	639606						
6	150	6	639607	14Z39	114Z08	998561			
8	200	8	998739						
10	250	10	998740	14Z77†	639755	998558	16	•	
14	350	14	998741						

1566 Series Sets

Metal Thickness	Set Part No.	Internal Part No.	Natural Gas Propane	Set Part No.	Internal Part No.	FG-2 MAPP®	Set Part No.	Internal Part No.	FG-2 MAPP®*
1/2	0558005072	639600	639322	0558005083	639600	998277	0558005094	639600	998557
3/4	0558005073	639601		0558005084	639601		0558005095	639601	
1	0558005074	639602		0558005085	639602		0558005096	639602	
1-1/2	0558005075	639603		0558005086	639603		0558005097	639603	
2	0558005076	639604		0558005087	639604		0558005098	639604	
2-1/2	0558005077	639605		0558005088	639605		0558005099	639605	
4	0558005078	639606		0558005089	639606		0558005100	639606	
6	0558005079	639607	0558005090	639607	0558005101	639607			
8	0558005080	998739	14Z39	0558005091	998739	114Z08	0558005102	998739	998561
10	0558005081	998740	14Z77†	0558005092	998740	639755	0558005103	998740	998558
14	0558005082	998741		0558005093	998741		0558005104	998741	

* Use where high preheat intensity is desired.

† Heavy-duty sleeve (Part No. 14Z96) is available for use in place of standard sleeve (Part No. 14Z77).

- To clean preheat slots, remove external sleeve and use a soft bristled brush.

Clean cutting orifice only with H.S. cleaning kit (Part No. 755F00).

Cutting Nozzles

Heavy Duty Steel Industry Nozzles 1427 & 1431 Series Cutting Nozzles



Part No.	Model		Steel Thickness - Cutting Capacity	Size	
	1-pc. or Internal	External Sleeve	Inches		
5470099		1400 Series Fuel Gas Fit C-43, 66 & 67-1400 Torches	12	1427-12	
5470144			14	1427-14	
5470100			16	1427-16	
5460192			20	1427-20	
5460162			24	1427-24	
5460193			28	1427-28	
66Z59			3-6	1431-120	
66Z60			6-10	1431-140	
66Z61			10-16	1431-160	
66Z62			16-20	1431-200	
66Z63			20-24	1431-240	
66Z64			24-28	1431-280	
2121848			2119485	3-6	Ring Flame
2119486				6-10	
2119578		10-20			
2118702		PM Nozzles Fit PM-100, 200 & GST Torches	3-6	PM-120-85	
2118701			6-10	PM-140-85	
2118707			6-10	PM-110-200	
2118700			10-16	PM-160-85	
2118703			10-24	PM-160-135	
2228620			4-9	PM-93-200	

PM-100, 200 & GST Nozzles



PUROX® 4200 Group Nozzles 4202 Series Acetylene Nozzles

- General purpose.
- Medium preheat sufficient for beveling.



Part No.	Metal Thickness - Cutting Capacity		Size Inches	No. Preheat Holes	Cleaning Preheat	Drill Size Cutting
	Inches	mm				
638869	1/8	3	1/8	4	73	76
16K08	3/16 - 1/4	4 - 6	1/4	6		68
16K09	1/2	13	1/2	6		60
16K10	3/4 - 1-1/2	19 - 38	1-1/2	6	69	55
16K11	2 - 4	50 - 100	4		68	50
16K12	6	150	6		64	43
16K13	8 - 10	200 - 250	10		60	35
16K14	12	300	12		56	30

4217 Series Fuel Gas Nozzles

- General purpose.
- Heavy preheat for fast starts.
- For fuel gases other than acetylene.
- Use soft-bristled brush (750F99) to clear preheat slots of internal nozzles.



Part No.	1 Pc. or Internal	External Sleeve	Metal Thickness		Size Inches	No. Preheat Holes/Slots	Clean- ing Preheat	Drill Size Cutting
			Inches	mm				
19485		19518	1/4	6	1/4	12	•	68
19486			1/2	13	1/2			60
19487			1	25	1			53
19488		19519	2	50	2	20	•	50
19489			4	100	4			43
19490			6	150	6			39
19491			8	200	8			35
19492			12	300	12			31

4217 Series Sets

Part No. Set	Internal	Metal Thickness		Natural Gas Propane
		Inches	mm	
0558005123	19485	1/4	6	19518
0558005124	19486	1/2	13	
0558005125	19487	1	25	
0558005126	19488	2	50	

Part No. Set	Internal	Metal Thickness		Natural Gas Propane
		Inches	mm	
0558005127	19489	4	100	19519
0558005128	19490	6	150	
0558005129	19491	8	200	
0558005130	19492	12	300	



Cylinder Regulators

OXWELD® Heavy-Duty Trimline™ R-77 Regulators

- Rugged two-stage regulator is actually two regulators in one.
- Heavy-duty design provides accurate and consistent delivery pressure.
- Patented explosion protection built in.



MADE IN USA

R-77 Series Two-Stage

Part No.	Cylinder Gas	Model	Max. PSIG	Outlet Connection	
				CGA	Thread Style
998336	Oxygen	R-77-75-540	75	022	9/16" - 18 RH male
998337		R-77-150-540	150		
998338		R-77-200-540	200		
998371	Acetylene	R-77-15-510*	15	023	9/16" - 18 LH male
998340		R-77-15-300			
998341	Hydrogen, Methane	R-77-75-350	75	023	9/16" - 18 LH male
998342		R-77-150-350	150		
19057	Argon, Helium,	R-77-15-580	15	032	5/8" - 18 RH female
19590	Nitrogen	R-77-30-580	30	032	5/8" - 18 RH female
998343		R-77-75-580	75		
998344		R-77-150-580	150		
998345		R-77-500-580	500	-	1/4" - 45° flared tube fitting
998348	Industrial Air	R-77-150-590	150	033	5/8" - 18 LH female
18558	Breathing Air	R-77-150-346	150	022	9/16" - 18 RH male

OXWELD® Heavy-Duty Trimline™ R-76 Regulators

- Heavy-duty construction provides improved performance and longer life in any environment.
- Patented explosion protection built in.



MADE IN USA

R-76 Series Single-Stage

Part No.	Cylinder Gas	Model	Max. PSIG	Outlet Connection	
				CGA	Thread Style
Single-Stage With Gauges					
998323	Oxygen	R-76-75-540	75	022	9/16" - 18 RH male
998324		R-76-150-540	150		
998370	Acetylene	R-76-15-510*	15	023	9/16" - 18 LH male
998328		R-76-15-300			
998331	FG-2, Propane, MAPP	R-76-75-510	75	023	9/16" - 18 LH male
998332	Hydrogen, Methane	R-76-75-350	75	023	9/16" - 18 LH male
998334	Argon, Helium, Nitrogen	R-76-150-580	150	032	5/8" - 18 RH female
998335		R-76-500-580	500	-	1/4" - 45° flared tube fitting
19629	Carbon Dioxide	R-76-150-320	150	032	5/8" - 18 RH female
999149		R-76-CF-320	10-80 CFH		
17153	Breathing Air	R-76-150-346	150	022	9/16" - 18 RH male
Liquid Cylinder Service					
19777	Oxygen	R-76-150-540LC	150	022	9/16" - 18 RH male
19977	Inert Gas	R-76-150-580LC	150	032	5/8" - 18 RH female
Gaugeless					
998325	Oxygen	R-76-150-540G	150	022	9/16" - 18 RH male
998329	Acetylene	R-76-15-510G	15	023	9/16" - 18 LH male

PUROX® Medium-Duty R-72/36 Regulators

- Designed for medium-duty service and built for years of trouble-free performance with minimum maintenance.



MADE IN USA

R-72 Series Single-Stage

Part No.	Gas Service	Model	Max. PSIG	Outlet Connection	
				CGA	Thread Style
21524	Oxygen	R-72-75-540	75	022	9/16" - 18 RH male
21528		R-72-125-540	125		
21525	Acetylene	R-72-15-510	15	023	9/16" - 18 LH male
21526		R-72-15-300	15		
21527	LPG	R-72-75-510	75	023	9/16" - 18 LH male
0558005415	Inert Gas	R-72-75-580	75	032	5/8" - 18 RH female
0558005416		R-72-125-580	125	-	1/4" - 37° flared tube fitting
0558005410	Carbon Dioxide	R-72-75-320	75	032	5/8" - 18 RH female
21365	Nitrogen purge	R-36-500-580	500	-	1/4" - 37° flared tube fitting

Station Regulators / Pressure Regulators

R-76/R-72 Heavy and Medium-Duty Station Regulators

- Similar in construction to single-stage, heavy-duty and medium-duty cylinder regulators, these regulators are equipped with a C-size inlet connection.
- Models are available for oxygen, acetylene, other fuel gases and inert gases.



**Heavy-Duty Hi-Flow
TRIMLINE™ R-76**



Medium-Duty R-72

Part No.	Gas Service	Model	Max. PSIG	Max. Inlet PSIG ¹	Outlet Connection	
					CGA	Thread Style
R-76 Series: Heavy-Duty Hi-Flow TRIMLINE™ Station Regulators						
19151	Oxygen	R-76-150-024*	150	200	022	9/16" - 18 RH male
19152	Acetylene	R-76-15-025	15	15	023	9/16" - 18 LH male
19153	FG-2, Propane, Hydrogen, Propylene	R-76-75-025	75	200	023	9/16" - 18 LH male
19154	Argon, Helium, Nitrogen	R-76-15-034	15	200	032	5/8" - 18 RH female
19155		R-76-75-034	75			
R-72 Series: Medium-Duty Station Regulators						
0558005411	Oxygen	R-72-75-024	75	200	022	9/16" - 18 RH male
0558005412	Acetylene	R-72-15-025	15	15	023	9/16" - 18 LH male
0558005413	FG-2, Propane, Hydrogen, Propylene	R-72-75-025	75	200	023	9/16" - 18 LH male
0558005414	Argon, Helium, Nitrogen	R-72-75-034	75	200	032	5/8" - 18 RH female

*Inlet Connection: CGA 024 (formerly "C" oxygen) - 7/8" - 14 RH female nut
CGA 025 (formerly "C" fuel gas) - 7/8" - 14 LH female nut
CGA 034 (formerly "C" inert gas) - 7/8" - 14 RH male nut

¹Inlet pressure is limited because pressure of pipeline with C-size hose type outlets should not exceed 200 PSIG. Inlet pressure on acetylene regulators is limited because pressure of pipelines conveying acetylene should never exceed 15 PSIG.

R-6700 High-Capacity Station Regulators

- For multi-torch applications; for example, the supply of cutting oxygen to an eight-torch cutting machine working on heavy plate.
- Three models are available with up to five times the capacity of standard models.
- Equipped with 1/2" NPT female inlet, outlet connections, and a delivery pressure gauge.
- Can be used with any common, non-corrosive, industrial gas.
- C-size outlet fittings available for oxygen, fuel gas and inert gas.



High-Capacity R-6700

Part No.	Gas Service	Model	Max. PSIG	Max. Inlet PSIG ¹	Outlet Connection
22234	Any non-corrosive, non-toxic industrial gas	R-6701	15	400	1/2" NPT female
22235		R-6702	75		
22236		R-6703	150		
2227920		R-6704	200		

¹Inlet pressure is limited because pressure of pipeline with C-size hose type outlets should not exceed 200 PSIG. Inlet pressure on acetylene regulators is limited because pressure of pipelines conveying acetylene should never exceed 15 PSIG.

PREST-O-LITE® Regulators

Pressure Regulators

- Small and lightweight, yet rugged and dependable
- Outperforms regulators twice their size.
- Oxygen models have patented, built-in explosion protection.
- Fine mesh inlet filters prevent contamination.



R-411 Regulator



**R-22-75-540A
Oxygen Regulator**



**R-36-500-580
Inert Gas Regulator**

Part No.	Gas	Model	Max. PSIG	Outlet Connection	Gauges	
					Contents PSI	Delivery PSI
04X36	"B" acetylene tank (40 cf)	R-411B	15	A size	*	none
04X37	"MC" acetylene tank (10 cf)	R-411MC	15			
20971*	"B" acetylene tank (40 cf)	R-22-15-520B	15	B size	***	15
20972**	MC" acetylene tank (10 cf)	R-22-15-200B	15			
998765	Standard acetylene cylinders with CGA 510 outlet	R-22-15-510A	15	A size	400	15
18564	Standard oxygen cylinders with CGA 540 outlet	R-22-75-540A	75		4000	100
21365	Inert gas	R-36-500-580	500		1/4"- 37° flared	4000

* 20971 = 05X01 and 18Z56 adapter

** 20972 = 05X02 and 18Z56 adapter

*** Graduated as follows: Full, 3/4, 1/2, 1/4, Empty



Regulators / Flowmeters

R-76-CF-320 Carbon Dioxide

- Black anodized finned body for the best heat conduction possible.
- Valve stem attached to diaphragm for positive shut off, especially when cold.
- Low rate pressure adjusting spring for smooth and easy flow adjustment, coupled with a 2-1/2" delivery gauge scaled in cubic feet per hour.
- CO₂ flow rates up to 80 cubic feet per hour (CFH).



R-72-CF-580

- 2-1/2" delivery gauge scaled in CFH.
- Accurate argon flow rate of 10 to 40 CFH.



R-5007 / R-5008

- R-5007 for argon, helium, C-25 mixture, and nitrogen (R-5008 for CO₂ only).
- Output to flowmeter is regulated to exactly 50 PSIG (80 PSIG on R-5008).
- Rotating scale for easy readability of flow rates.



Part No.	Cylinder Gas	Model	Calibrated Flow Range CFH	Outlet Connection
999149	Carbon Dioxide	R-76-CF-320	10 to 80	5/8" - 18RH female
0558005417	Inert Gas	R-72-CF-580	10 to 40	
998124	Argon, Helium, C-25 and Nitrogen	R-5007	20 to 220 He	
998125	Carbon Dioxide	R-5008	10 to 65	

R-33 Regulator-Flowmeter

- Competitively priced.
- Durable Lexan outer tube and flow tube with easy-to-read graduations.
- Solid brass piston & machined brass body.
- 3000 PSI cylinder contents gauge.



Part No. 21557

Part No.	Cylinder Gas	Model	Flow Rate	Outlet Connection
21557	Argon	R-33-FM-580	10-50 CFH	5/8" - 18RH female
21589*	Inert Gas	Display package	20-150	
	C-25		10-50	

*Consists of: R-33-FM plus an 8 ft. hose (Part No. 21591).

L-32 / L-33 Flowmeters

- Durable Lexan® outer tubes.
- L-32 has 4 rotatable scales.
- L-33 has single scale.
- CO₂ models available in both styles.
- UL listed.



L-32



L-33

Part No.	Cylinder Gas	Model	Calibrated Flow Range CFH	Connections	
				Inlet	Outlet
639751	Argon, Helium, C-25 and Nitrogen	L-32	10 to 70 Ar	RH male	5/8" - 18 RH female
			10 to 65 C-25		
			20 to 220 He		
			10 to 80 N ₂		
998843	CO ₂	L-32	10 to 65 CO ₂	1/4" NPT	5/8" - 18 RH female
21988	Argon	L-33IG	10 to 50	5/8" - 18 RH male	5/8" - 18 RH female
21989	Helium, C-25	L-33IG	20 to 150 Ar	1/4" NPT female	5/8" - 18 RH female
			10 to 50 C-25		
21990	CO ₂	L-33 CO ₂	10 to 65	1/4" NPT female	5/8" - 18 RH female

Note: The L-32 and L-33 are not equipped with gauges. The L-32 is calibrated to operate with 50 PSIG inlet pressure. A 20 PSIG model is available. Order Part No. 603383. The CO₂ model is calibrated to operate at 80 PSIG. The L-33IG models are calibrated to operate at 25 PSIG and the L-33 CO₂ model at 80 PSIG.

Accessories

Part No.	Item	Description
17459	Flowmeter guard	Mounts over the calibrated tube of the L-32 for protection against rough handling.
19043	Portable Gas Meter	Available to check actual shielding gas flow at torch



L-32 w/ 17459 guard