



GAS WELDING AND CUTTING APPARATUS *International Edition*

Regulators & Flow Control Equipment • Welding Accessories • Pressure Gauges

Technology for a Better Future



ISO/TS 29001 Registered

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THE BEST WARRANTY IN THE BUSINESS
2 Year “Over the Counter Replacement” Warranty

Any GENTEC® apparatus found to be defective either in material or workmanship during the time set forth below will be replaced by Genstar Technologies Company, Inc. or its Authorized Distributors, provided that said apparatus was used under normal conditions for the purpose intended.

GENTEC® apparatus damaged or rendered inoperative due to abuse, negligence, misuse, accident or abnormal wear and tear is not covered by this warranty and must be repaired at the sole expense of the equipment owner. GENTEC® apparatus should be serviced facilities only. Service or repair of this apparatus by other than Genstar Technologies Company, Inc. or designated service facilities may void any warranties and relieve Genstar Technologies Company, Incorporated of any claims for damage and/or liability.

To make a claim under this warranty, Buyer must notify Genstar Technologies Company, Inc. or its Authorized

Distributor of the details of such claim within 30 days of discovering a defect in material or workmanship along with proof of purchase. The Buyer will be responsible for transportation costs and related risks.

Genstar Technologies Company, Inc. shall not, under any circumstances, be liable for any damages including but not limited to: indirect, incidental, consequential, or special damages, wether such damages result from negligence, breach of warranty or otherwise.

There are no other warranties, expressed or implied, except as stated herein. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Genstar Technologies company, Incorporated reserves the right to discontinue manufacturing of any product or change product materials, design or specifications without notice.

* GENTEC® Industrial Manifold Systems are not included in this catalog.



Company Overview

Genstar Technologies Company, Inc. (GENTEC®), founded in 1969, is a global industry leader in the manufacturing of welding apparatus, pressure regulators, and gas control systems.

Additionally, as a total system solution provider, GENTEC® offers technical support, on-site evaluation, and design/ implementation. GENTEC® engineers examine all customer requirements in order to develop and recommend the best customer specific solutions.

The company takes great pride in fostering a strong relationship with each and every customer. Today, GENTEC® sells its products through a vast distribution network which extends to thousands of customers worldwide.

Quality Assurance

All of our products are manufactured under stringent quality control. We are ISO 9001:2001, ISO13485, and API certified. Our products meet UL, CE, SEMI, and various international standards and certifications.

Manufacturing Capabilities

The manufacturing facility is equipped with CNC machining centers, electrol polishing equipment, and precision automatic orbital welding systems, among other features, to ensure the production of the highest quality products.

Clean Room Facilities

Our class 10/100/1000 clean rooms are designed for Ultra High Purity (UHP) products. UHP products undergo precision machining, surface finishing, electro-polishing and passivation. All UHP products are cleaned by 18MΩ DI water in a cascade ultrasonic tank. To ensure the highest UHP product quality, they are then vacuum-dried and double-bagged.

Gold Series Outfits

GENTEC® Gold Series packaged welding, cutting, brazing, and heating outfits are designed for efficient, oxy-fuel gas manual operations. All components are manufactured under stringent quality controls and carefully selected to provide optimum performance and service life. Most of the components, where applicable, are listed with Underwriters Laboratories, Inc.

With a wide variety of outfit selections, you will find the outfit you need: from light duty hobby jobs to medium duty maintenance applications to heavy duty scrapping operations.

PRODUCT CATEGORY

- 1120 JOBBER
- 1121 JOBBER II
- 1138 IRON HORSE
- 1130 COMMANDER
- 1131 COMMANDER II
- 12-PTC TOTE-A-TORCH
- 4121 EXCALIBUR
- 4130 THE BOSS DELUXE
- 4131 THE BOSS



GOLD SERIES OUTFITS

JOBBER 1120 & 1120FA

Medium Duty Outfits in Deluxe Tool Bag for General Purposes

- Can weld up to 1/4" and cut up to 1/2"
- Ideal for home, farm, construction, and industrial maintenance facilities
- With optional tips, can weld up to 1 1/4" and cut up to 6"
- Regulators come with Steel Gauge Guards
- 20' T-grade twin hoses
- 1120 is equipped with 24-CV7PR Torch End Check Valves
- 1120FA is equipped with FA7TPR Flashback Arrestors, which include built-in check valves



1120

Model Number	Dimension / Weight	Torch Handle	Cutting Attachment	Regulators	Cutting Tip	Heating Nozzle	Welding Nozzles	T-Grade Twin Hoses	Goggles	Striker	Tip Cleaner	Check Valves	
												Flashback Arrestors	
1120	21"x19"x9" 20.6 lbs.	142T	142C	152X-80G (OXY.) 152Y-15G (ACET.)	172C-0	172H-6	172W-0,2,4	HW23-T020	9-WG6G	25-300	25-120	24-CV7PR	
1120FA												FA7TPR	

JOBBER II 1121 & 1121FA

Medium Duty Outfits in Deluxe Tool Bag for General Purposes

- Can weld up to 5/64" and cut up to 1/2"
- Ideal for home, farm, construction, and industrial maintenance facilities
- With optional tips, can weld up to 1 1/4" and cut up to 6" Regulators come with Steel Gauge Guards
- 20' T-grade twin hoses
- 1121 is equipped with 24-CV7PR Torch End Check Valves
- 1121FA is equipped with FA7TPR Flashback Arrestors, which include built-in check valves
- Victor® Performer® equivalent



1121

Model Number*	Dimension / Weight	Torch Handle	Cutting Attachment	Regulators	Cutting Tip	Welding Nozzle	T-Grade Twin Hoses	Goggles	Striker	Tip Cleaner	Check Valves	
											Flashback Arrestors	
1121	21"x19"x9" 19.8 lbs.	142T	142C	152X-80G (OXY.) 152Y-15G (ACET.)	172C-0	172W-0	HW23-T020	9-WG6G	25-300	25-120	24-CV7PR	
1121FA											FA7TPR	

Acetylene Regulator Inlet Connection supplied is standard CGA 510. Inlet connection CGA 300 is also available; to order, simply add "-3" to the outfit model number. For example: 1120-3 or 1120FA-3; 1121-3 or 1121FA-3.

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IRON HORSE 1138 & 1138FA

Medium / Heavy Duty Outfits in Deluxe Tool Bag for General Purposes

- Can cut up to 3/4"
- Ideal for industrial and commercial applications
- With optional tips, can weld up to 3" and cut up to 6" Regulators come with Steel Gauge Guards
- 20' T-grade twin hoses
- 1138 is equipped with 24-CV7PR Torch End Check Valves
- 1138FA is equipped with FA7TPR Flashback Arrestors which include built-in check valves
- Victor® Contender® equivalent



1138

Model Number*	Dimension / Weight	Torch Handle	Cutting Attachment	Regulators	Cutting Tip	Heating Nozzle	T-Grade Twin Hoses	Goggles	Striker	Tip Cleaner	Check Valves
											Flashback Arrestors
1138	21"x19"x9" 23.3 lbs.	143T	143CA	853X-125G (OXY.) 853Y-15G (ACET.)	173C-1	173H-6	HW24-T020	9-WG6G	25-300	25-120	24-CV7PR
1138FA											FA7TPR

Acetylene Regulator Inlet Connection supplied is standard CGA 510. Inlet Connection CGA 300 is also available; to order, simply add "-3" to the outfit model number. For example: 1138-3 or 1138FA-3.

IRON HORSE II 1221

Medium / Heavy Duty Outfits in Deluxe Tool Bag for General Purposes

- Can weld up to 1/4" and cut up to 1/2"
- Ideal for ship building, construction, petroleum, and chemical industries
- With optional tips, can weld up to 1-1/4" and cut up to 6"
- Regulators come with Steel Gauge Guards
- 20' T-grade twin hoses
- 1221 is equipped with 24-CV7PR Torch End Check Valves
- Victor® Super Range® II equivalent



1221

Model Number*	Dimension / Weight	Torch Handle	Cutting Attachment	Regulators	Cutting Tip	T-Grade Twin Hoses	Goggles	Striker	Tip Cleaner	Check Valves
1221	21"x19"x9" 21.5 lbs.	142T	142C	853X-125G (OXY.) 853Y-15G (ACET.)	172C-0	HW24-T020	9-WG6G	25-300	25-120	24-CV7PR

Acetylene Regulator Inlet Connection supplied is standard CGA 510. Inlet Connection CGA 300 is also available; to order, simply add "-3" to the outfit model number. For example: 1221-3

GOLD SERIES OUTFITS

Gas Welding & Cutting Apparatus

COMMANDER 1130 & 1130FA

Heavy Duty Outfits in Deluxe Tool Bag for Industrial & Commercial Applications

- Can weld up to 1/2" and cut up to 3/4"
- Ideal for industrial and commercial applications
- With optional tips, can weld up to 3" and cut up to 8"
- Regulators come with Steel Gauge Guards
- 25' T-grade twin hoses
- 1130 is equipped with 24-CV7PR Torch End Check Valves
- 1130FA is equipped with FA7TPR Flashback Arrestors, which include built-in check valves
- Victor® Journeyman® equivalent



1130

Model Number*	Dimension / Weight	Torch Handle	Cutting Attachment	Regulators	Cutting Tip	Heating Nozzle	Welding Nozzles	T-Grade Twin Hoses	Goggles	Striker	Tip Cleaner	Check Valves	
												Flashback Arrestors	
1130	23"x22"x11" 28 lbs.	143T	143CA	153X-125G (OXY.) 153Y-15G (ACET.)	173C-1	173H-8	173W-1,3,5	HW24-T025	9-WG6G	25-300	25-120	24-CV7PR	
1130FA												FA7TPR	

COMMANDER II 1131 & 1131FA

Heavy Duty Outfits in Deluxe Tool Bag for Industrial & Commercial Applications

- Can weld up to 1/8" and cut up to 3/4"
- Ideal for industrial and commercial applications
- With optional tips, can weld up to 3" and cut up to 8"
- Regulators come with Steel Gauge Guards
- 20' T-grade twin hoses
- 1131 is equipped with 24-CV7PR Torch End Check Valve
- 1131FA is equipped with FA7TPR Flashback Arrestors, which include built-in check valves
- Victor® Journeyman® II equivalent



1131

Model Number*	Dimension / Weight	Torch Handle	Cutting Attachment	Regulators	Cutting Tip	Welding Nozzle	T-Grade Twin Hoses	Goggles	Striker	Tip Cleaner	Check Valves	
											Flashback Arrestors	
1131	23"x22"x11" 29 lbs.	143T	143CA	153X-125G (OXY.) 153Y-15G (ACET.)	173C-1	173W-2	HW24-T020	9-WG6G	25-300	25-120	24-CV7PR	
1131FA											FA7TPR	

Acetylene Regulator Inlet Connection supplied is standard CGA 510. Inlet Connection CGA 300 is also available; to order, simply add "-3" to the outfit model number. For example: 1130-3 or 1130FA-3; 1131-3 or 1131FA-3.

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EXCALIBUR 4121 & 4121FA

Medium Duty Outfits in Deluxe Tool Bag for All Trades

- Can weld up to 1/8" and cut up to 1"
- Ideal for ship building, construction, petroleum, and chemical industries
- With optional tips, can weld up to 1/2" and cut up to 5"
- 20' T-grade twin hoses
- 4121 is equipped with 24-CV7PR Torch End Check Valves
- 4121FA is equipped with FA7TPR Flashback Arrestors, which include built-in check valves
- Harris® Steelworker® Classic equivalent



4121

Model Number*	Dimension / Weight	Torch Handle	Cutting Attachment	Regulators	Cutting Tip	Welding Elbow	Mixer	T-Grade Twin Hoses	Goggles	Striker	Check Valves
											Flashback Arrestors
4121	21"x19"x9" 19 lbs.	442T	442C	452X-80 (OXY.) 452Y-15 (ACET.)	472C-1	472W-5	472M	HW23-T020	9-WG6G	25-300	24-CV7PR
4121FA											FA7TPR

THE BOSS 4131 & 4131FA

Heavy Duty Outfits in Deluxe Tool Bag for Industrial & General Purposes

- Can weld up to 1/8" and cut up to 1"
- Designed for all trades. Features a complete package of apparatus and accessories for general purpose and industrial use
- With optional tips, can weld up to 1" and cut up to 6"
- 20' T-grade twin hoses
- 4131 is equipped with 24-CV7PR Torch End Check Valves
- 4131FA is equipped with FA7TPR Flashback Arrestors, which include built-in check valves
- Harris® Pipeliner® Classic equivalent



4131

Model Number*	Dimension / Weight	Torch Handle	Cutting Attachment	Regulators	Cutting Tip	Welding Elbow	Mixer	T-Grade Twin Hoses	Goggles	Striker	Check Valves
											Flashback Arrestors
4131	23"x22"x11" 22.5 lbs.	443T	443C	453X-175 (OXY.) 453Y-15 (ACET.)	472C-1	472W-5	473M	HW24-T020	9-WG6G	25-300	24-CV7PR
4131FA											FA7TPR

Acetylene Regulator Inlet Connection supplied is standard CGA 510. Inlet connection CGA 300 is also available; to order, simply add "-3" to the outfit model number. For example: 4121-3 or 4121FA-3.

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GOLD SERIES OUTFITS

TOTE A TORCH 12-PT, 12-PTC & 12-PTCSP

Portable Outfit for Repair & Maintenance

- Can weld up to 3/16" and cut up to 1/2". With optional larger tips and sufficient acetylene and oxygen supply,
- Tote-A-Torch can weld up to 1-1/4" and cut up to 6"
- A light to medium duty portable outfit that is extremely popular for general maintenance work, metal sculpture, automotive repair, air conditioning, refrigeration, etc. The carrier is made of tough, lightweight polypropylene and is designed to carry one "MC" acetylene cylinder, one "R" (20 cu. ft.) oxygen cylinder, and apparatus
- Featured with this outfit are rear entry regulators for better balance on the small cylinders. The acetylene regulator has an "MC" (CGA 200) inlet connection and the oxygen regulator has the standard CGA 540 connection
- Torch handle is equipped with 24-CV7PR torch end check valves
- Regulators come with rubber gauge guards
- 12-PTCSP is the 12-PTC outfit with Anti-Theft skin package
- 3/16" x 12.5' T-grade twin hoses
- The outfit is available with or without cylinders. See chart below
- The rugged molded plastic carrier (CRT10) is also available separately
- Victor® Portable Torch equivalent



12-PTCSP



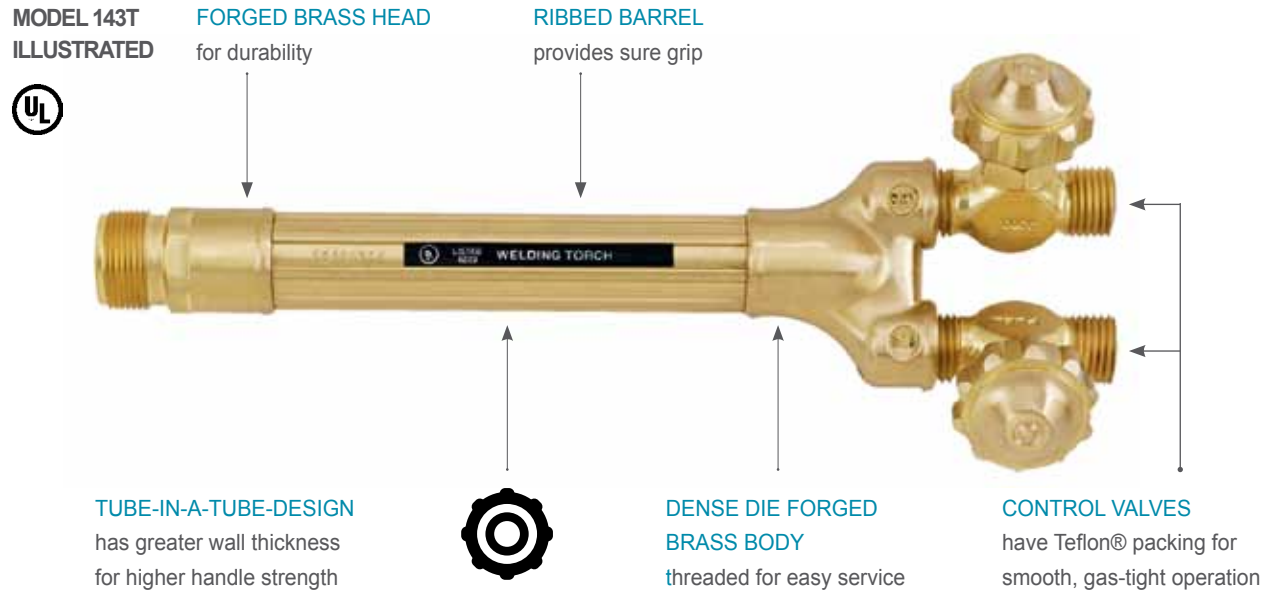
12-PTC

Model Number	Dimension / Weight	Torch Handle	Cutting Attachment	Regulators Oxygen / Acetylene	Cutting Tip	Welding Nozzle	Twin Hoses	Goggles	Striker	Plastic Carrier	Cylinders Oxygen / Acetylene
12-PT	24.5"x11"x11" 13.4 lbs.	142T	142C	210X-80G / 210Y-15G	172C-0	172W-1	HW23-T012	9-WG6G	25-300	CRT10	N/A
12-PTC	24.5"x11"x11" 36 lbs.										CY20-540 / CY10-MC
12-PTCSP	24.5"x11"x11" 36.4 lbs.										

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TORCH HANDLES

Gas Welding & Cutting Apparatus



GENTEC® Torch Handles are available in light, medium, and heavy duty models. Torch handles are machined from high-quality forged brass. Threaded construction facilitates easy repairs and services.

- 140T, 141T, 142T and 143T Series feature Tube-in-a-Tube design within each torch handle
- 342T Series features Gas Saver On/Off Lever, which is designed for immediate On/Off control of the oxygen and fuel gases for precise gas control. The pilot adjustment allows for maintaining a small pilot flame for immediate acceleration of the flame on the brazing tip. 342T-Y is used with Acetylene/MAPP® and 342T-F is used with other fuel gases
- 442T and 443T both feature 2 tubes within each torch handle

Model Number	Welding Range	Weight / Length	Victor® Equivalent	Uses Cutting Attachment	Uses Welding Nozzle	Uses Heating Nozzle
140T	1-1/4"	8-1/2 oz. 6"	J-28	141C	171W, 871W, 881W G17-VMA-1 GMTW, GMTT GMTR, G17-FT G13-8VM, G17	171H 171HN
141T	1-1/4"	13.3 oz. 7-3/4"	J-100C	141C	171W, 871W, 881W G17-VMA-1 GMTW, GMTT GMTR, G17-FT G13-8VM, G17	171H 171HN
142T	1-1/4"	13.4 oz. 7-3/4"	100C	142C	172W 172WRTE 872W	172H 172HN 872H
143T	3"	1 lb. 2 oz. 8-1/2"	315C	143CA 143ACA 143SCA	173W 173WRTE 173WRTE 873W 883W	173H 173HN 175HN 873H
143TL		1 lb. 5 oz. 11"	310C			
143TLH		1 lb. 12 oz. 11"	HD310C			

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TORCH HANDLES



140T Light Duty
("A" size hose fitting)



141T Light Duty
("A" size hose fitting)



142T Medium Duty



143T Heavy Duty



143TL Heavy Duty



143TLH Extra Heavy Duty

Pilot Flame Function Torch



342T-Y Light Duty



342T-F Light Duty

Model Number	Welding Range	Weight / Length	Uses Cutting Attachment	Uses Welding Nozzle	Uses Heating Nozzle
342T-Y	1/2"	0.7 lb. 6-5/8"	141C	171W, 871W, 881W G17-VMA-1 GMTW, GMTT, GMTR, G17-FT G13-8VM	171H
342T-F	1/2"	0.7 lb. 7-3/4"	141C	G17 881W	171HN

Note: When using heating nozzles and cutting attachment, the Pilot Flame Function should not be used. Available with torch end check valves (add "-CV" to model number) or flashback arrestors (add "-FA" to model number)



442T Medium Duty



443T Heavy Duty

Model Number	Welding Range	Weight / Length	Harris® Equivalent	Uses Cutting Attachment	Uses Welding Elbow / Mixer	Uses Heating Nozzle
442T	1/2"	13.5 oz. 7-3/4"	85	442C	472W / 472M	472H-2
443T	1/2"	1.4 lbs. 9-1/2"	43-2	443C	472W / 473M	472H-2

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CUTTING ATTACHMENTS

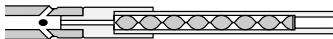
MODEL 143ACA
ILLUSTRATED



STAINLESS STEEL
TUBES
for strength & long life

STAINLESS STEEL
OXYGEN LEVER
for durability

FORGED BRASS HEAD
for durability



SPIRAL MIXER
gives optimum mix
of fuel & oxygen

BRASS COUPLING NUT
AND DOUBLE O-RING SEAL
gives quick, hand tight, & leak-free operation



GENTEC® Cutting Attachments are made from high quality die-forged brass and stainless steel components. They are available in light, medium, and heavy duty models. Featuring drop-in tube mixer design, 141C, 142C, 143CA, 143ACA and 143SCA can be used with acetylene, propane, MAPP®, propylene, fuel gas, and natural gas (2 psi & above). 442C and 443C, both featuring a flat seat tip design and an in-head mixer, have three tubes in a triangular arrangement.

Model Number	Cutting Range	Head Angle	Weight / Length	Victor® Equivalent	Uses Torch Handle	Uses Cutting Tip
141C	3"	90°	13.8 oz. 8-1/4"	CA1260	140T, 141T 141TA, 342T	172C, 172CN 172CP, 172CG
142C	6"	90°	14 oz. 8-1/4"	CA1350	142T	172C, 172CN 172CP, 172CG
143CA	8"	90°	1 lb. 14 oz. 10-5/8"	CA2460	143T, 143TL 143TLH	173C, 173CN, 173CP 173CM, 173CG, 173CGN
143ACA		75°		CA2461		
143SCA		180°		CA2462		

CUTTING ATTACHMENTS



141C Light Duty



142C Medium Duty



143CA Heavy Duty



143ACA Heavy Duty



143SCA Heavy Duty

Model Number	Cutting Range	Head Angle	Weight / Length	Harris® Equivalent	Uses Torch Handle	Uses Cutting Tip
442C	5"	90°	1.5 lbs. 9-1/2"	72-3	442T	472C 472CN
443C	6"	90°	1.5 lbs. 9-1/2"	73-3	443T	472C 472CN



442C Medium Duty



443C Heavy Duty

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HAND CUTTING TORCHES

Gas Welding & Cutting Apparatus

GENTEC® Hand Cutting Torches are machined from high-quality forged brass and stainless steel components. 161S and 163 Series feature drop-in tube mixer design. 162 Series has a triangular tube arrangement and an in-head mixer. 263 and 363S series have inline tube arrangements and can be used with any type of fuel gas, such as acetylene, propane, natural gas, propylene, and MAPP® (2 psi and above). 463 Series has a triangular tube arrangement, in-head mixer, and models available for oxy-acetylene and oxy-propane cutting operations. Its balanced design and rugged construction are ideal for medium/heavy duty cutting and scraping operations.

FORGED BRASS HEAD
Mixing at the nozzle helps contain backfires. Durable forge brass head ensures durability.

STAINLESS STEEL TUBES
Three-tube design prevents intermixing of gas within the tube. Stainless tubes offers extended durability

STAINLESS STEEL OXYGEN LEVER
For durability

SMOOTH OXYGEN VALVE
Provides precise oxygen flow control

MODEL 363S ILLUSTRATED

SILVER BRAZED JOINTS

ALUMINUM HANDLE
Aluminum handle for solid grip and operator comfort

161 Series



161S-17 Medium Duty

Model Number	Cutting Range	Head Angle	Weight / Length	Victor® Equivalent	Uses Cutting Tip
161S-17	6"	90°	1 lb. 10 oz. / 17"	CST800C	172C, 172CN 172CP, 172CG

Note: Available with torch end check valves (add "-CV" to model number) or flashback arrestors (add "-FA" to model number)

162 Series



162L-21 Medium Duty

Model Number	Cutting Range	Head Angle	Weight / Length	Victor® Equivalent	Uses Cutting Tip
162S-17	6"	90°	2.15 lbs. / 17"	SST900C	173C, 173CN 173CP, 173CM
162L-21	6"	90°	2.25 lbs. / 21"	ST900C	173CG, 173CGN

Note: Available with torch end check valves (add "-CV" to model number) or flashback arrestors (add "-FA" to model number)

163 Series



163L-21 Heavy Duty

Model Number	Cutting Range	Head Angle	Weight / Length	Victor® Equivalent	Uses Cutting Tip
163S-17	14"	90°	3 lbs. / 17"	SST1600C (SST2600)	173C 173CN 173CP 173CM 173CG 173CGN
163L-21			3.3 lbs. / 21"	ST1600C (ST2600)	
163L-27			3.7 lbs. / 27"	ST1610C (ST2610)	
163L-36			4.3 lbs. / 36"	ST1630C (ST2630)	
163L-48			5 lbs. / 48"	ST1650C (ST2650)	
163AL-21	14"	75°	3.4 lbs. / 21"	ST1601C (ST2601)	
163AL-27			3.8 lbs. / 27"	ST1611C (ST2611)	
163AL-36			4.3 lbs. / 36"	ST1631C (ST2631)	
163AL-48			5 lbs. / 48"	ST1651C (ST2651)	
163SL-21	14"	180°	3.5 lbs. / 21"	ST1602C (ST2602)	
163SL-27			3.8 lbs. / 27"	ST1612C	
163SL-36			4.3 lbs. / 36"	ST1632C (ST2632)	
163SL-48			5 lbs. / 48"	ST1652C (ST2652)	

Note: Available with torch end check valves (add "-CV" to model number) or flashback arrestors (add "-FA" to model number)

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HAND CUTTING TORCHES

263 Series



263S-18 Medium Duty

Model Number	Cutting Range	Weight / Length	Uses Cutting Tip
263S-18	12"	2 Lbs. / 18"	672C, 673C AIRCO® STYLE CUTTING TIPS
263L-21	12"	2 Lbs. 4 oz. / 21"	

Note: Available with torch end check valves (add "-CV" to model number) or flashback arrestors (add "-FA" to model number)

363 Series



363S-18 Heavy Duty

Model Number	Cutting Range	Weight / Length	Uses Cutting Tip
363S-18	14"	2 lbs. 7 oz. / 18"	GENTEC ANME, PNME SERIES CUTTING TIPS 672C, 673C AIRCO® STYLE CUTTING TIPS

Note: Available with torch end check valves (add "-CV" to model number) or flashback arrestors (add "-FA" to model number)

463 Series for Oxy-Acetylene Only



463E-18 Medium / Heavy Duty

463EL-21 Medium / Heavy Duty

Model Number	Cutting Range	Head Angle	Weight / Length	Harris® Equivalent	Uses Cutting Tip
463AE-18	12"	70°	3 lbs. / 18"	62-5AE	472C
463AEL-21			3.1 lbs. / 21"	62-5AEL (21")	
463AEL-36			4.1 lbs. / 36"	62-5AEL (36")	
463E-18	12"	90°	3 lbs. / 18"	62-5E	472C
463EL-21			3.6 lbs. / 21"	62-5EL (21")	
463EL-36			4.1 lbs. / 36"	62-5EL (36")	
463SE-18	12"	180°	3 lbs. / 18"	N/A	472C
463SEL-21			3.1 lbs. / 21"		
463SEL-36			4 lbs. / 36"		

Note: 48" and 72" are available for special order. Available with torch end check valves (add "-CV" to model number) or flashback arrestors (add "-FA" to model number)

463 Series for Oxy-Fuel Gases Only



463FL-36 Medium / Heavy Duty

Model Number	Cutting Range	Head Angle	Weight / Length	Harris® Equivalent	Uses Cutting Tip
463AF-18	12"	70°	3.3 lbs. / 18"	62-5AF	472CN
463AFL-21			3.4 lbs. / 21"	62-5AFL (21")	
463AFL-36			4 lbs. / 36"	62-5AFL (36")	
463F-18	12"	90°	3.3 lbs. / 18"	62-5F	472CN
463FL-21			3.4 lbs. / 21"	62-5FL (21")	
463FL-36			4 lbs. / 36"	62-5FL (36")	
463SF-18	12"	180°	3 lbs. / 18"	62-5BF	472CN
463SFL-21			3.3 lbs. / 21"	62-5BFL (21")	
463SFL-36			4.2 lbs. / 36"	62-5BFL (36")	

Note: 48" and 72" are available for special order. Available with torch end check valves (add "-CV" to model number) or flashback arrestors (add "-FA" to model number)

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MACHINE CUTTING TORCHES

Gas Welding & Cutting Apparatus

GENTEC® Machine Cutting Torches are designed to handle all applications of machine cutting. They are available in two-hose and three-hose versions. They can be used with various fuel gases, such as Acetylene, Propane, Natural Gas, Propylene, and MAPP®.

- High quality die-forged brass
- Stainless Steel Tubes for strength and durability
- Standard 1-3/8" diameter barrel
- Four-position rack adjustment with 90° intervals
- 32 pitch rack

- Equipped with a pair of reverse flow check valves (Model 24-CV7TPR) on inlet connections for operational safety
- Two-hose version is available in MC200 models. Three-hose version is available in MC100 and MC300 models
- Compatible with Victor® Style cutting tips

MC Series are drop-in tube mixer design

MCT Series are drop-in tip mixer design



MC100 MC200 MC300

MCT210 MCT325 MCT440

Series	Model Number	Gas Service	Cutting Range	Barrel Length	Racking Length	Uses Cutting Tip
MC100	MC105A	Acetylene and Other Gases	10" (250mm)	5-1/2"	N/A	173C
	MC105AR				4-1/2"	
	MC105F	All Fuel Gases			N/A	173CN
	MC105FR				4-1/2"	
MC200	MC205A	Acetylene and Other Gases	8" (200mm)	5-1/2"	N/A	173C
	MC205F	All Fuel Gases			173CN	173CP
	MC210A	Acetylene and Other Gases			N/A	173C
	MC210AR				7"	
	MC210F	All Fuel Gases			N/A	173CN
	MC210FR				7"	173CP
MC300	MC310A	Acetylene and Other Gases	12" (300mm)	10"	N/A	173C
	MC310AR				7"	
	MC310F	All Fuel Gases			N/A	173CN
	MC310FR				7"	173CP
	MC318A	Acetylene and Other Gases		N/A	173C	
	MC318AR			15"		
	MC318F	All Fuel Gases		N/A	173CN	
	MC318FR			15"	173CP	

Series	Model Number	Cutting Range	Barrel Length	Racking Length	Acetylene Cutting Tip	Propane Cutting Tip	Inlet Connection
MCT200	MCT210	12" 300 mm	Φ30*85	-	308	307	M12*1.25
	MCT225		Φ30*250	-			
	MCT225R1		Φ30*250	186/0.8			
	MCT225R2		Φ30*250	186/1.25			
	MCT240		Φ30*400	-			
	MCT240R1		Φ30*400	322/0.8			
MCT300	MCT240R2	Φ30*400	322/1.25				
	MCT310	12" 300 mm	Φ32*85	-	308	307	M16*1.5
	MCT318		Φ32*180	-			
	MCT325		Φ32*250	-			
	MCT325R1		Φ32*250	186/0.8			
	MCT325R2		Φ32*250	186/1.25			
	MCT340		Φ32*400	-			
	MCT340R1		Φ32*400	322/0.8			
MCT340R2	Φ32*400		322/1.25				
MCT400	MCT410	12" 300 mm	Φ35*85	-	308	307	M16*1.5
	MCT415R1		Φ35*155	121/0.8			
	MCT425		Φ35*250	-			
	MCT425-350	15.8" 400 mm	Φ35*250	-	-	301-9, 301-10	
	MCT425R1	12" 300 mm	Φ35*250	186/0.8	308	307	
	MCT425R2		Φ35*250	186/1.25			
	MCT440		Φ35*400	-			
	MCT440R1		Φ35*400	322/0.8			
	MCT440R2		Φ35*400	322/1.25			

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MACHINE CUTTING TORCHES

Replacement Racks with Installation Screws

Model Number	Length
MT100-16	4-1/2"
MT200-16	7"
MT300-16	15"

Machine Torch Holder



Z1102

Model Number	Description
Z1102	Suitable for $\Phi 35$ mm barrel, racking length: 0.8 mm
Z1103	Suitable for $\Phi 30$ mm barrel, racking length: 0.8 mm
Z1104	Suitable for $\Phi 32$ mm barrel, racking length: 0.8 mm
Z1105	Suitable for $\Phi 35$ mm barrel, racking length: 1.25 mm
Z1106	Suitable for $\Phi 32$ mm barrel, racking length: 1.25 mm
Z1107	Suitable for $\Phi 30$ mm barrel, racking length: 1.25 mm

Heating Tips

■ Oxy-Acetylene



173MFTA-10
173MFTA-12

■ Oxy-Fuel



173MFTN-10
173MFTN-12

Preheat Attachment for MC-HT-BCHA

■ For Adjustable Head



MC-HT-BCHA

Adjustable Head (0-90°)



MC-BCHA

Check Valves

GENTEC® Check Valves prevent reverse flow of gases which can cause dangerous mixtures. Choose from three styles to fit your needs.

Model Number	Gas Service	Working Pressure	Capacity Flow	Inlet Connection	Outlet Connection	Fits
CV7TF	Acetylene, Fuel	15 psi (103 kPa)	34 LPM	9/16"-18LH(M)	9/16"-18LH(F)	Torch
CV7TO	Oxygen	145 psi (1000 kPa)	200 LPM	9/16"-18RH(M)	9/16"-18RH(F)	Torch
CV7TF-J	Acetylene, Fuel	22 psi (152 kPa)	34 LPM	G3/8"-LH(M)	9/16"-18LH(F)	Torch
CV7TO-J	Oxygen	145 psi (1000 kPa)	200 LPM	G3/8"-RH(M)	9/16"-18RH(F)	Torch
CV7TF-E	Acetylene, Fuel	22 psi (152 kPa)	34 LPM	G3/8"-LH(M)	G3/8"-LH(F)	Torch
CV7TO-E	Oxygen	145 psi (1000 kPa)	200 LPM	G3/8"-RH(M)	G3/8"-RH(F)	Torch
CV7TF-B	Acetylene, Fuel	22 psi (152 kPa)	34 LPM	M16 x 1.5LH(M)	M16 x 1.5LH(F)	Torch
CV7TO-B	Oxygen	145 psi (1000 kPa)	200 LPM	M16 x 1.5RH(M)	M16 x 1.5RH(F)	Torch
CV7TF-C	Acetylene, Fuel	22 psi (152 kPa)	34 LPM	M16 x 1.5LH(M)	9/16"-18LH(F)	Torch
CV7TO-C	Oxygen	145 psi (1000 kPa)	200 LPM	M16 x 1.5RH(M)	9/16"-18RH(F)	Torch



OXYGEN
24-CV7TO



FUEL
24-CV7TF

Note: Check valves are not flashback arrestors and should not be used as such!
GENTEC® recommends the use of check valves between the torch and the regulator at all times.

Gas Saver



100QF-F

100QF-B

Model Number	Gas Service	Oxygen Pressure	Fuel Gas Pressure	Inlet Connection*	Outlet Connection*
100QF-Y	Oxygen, Acetylene	14.5~145 psi (1~10 bar)	2.9~21.75 psi (0.2~1.5 bar)	G 3/8-RH(M)	G 3/8-LH(M)
100QF-F	Oxygen, LPG				
100QF-B	Oxygen, Fuel				

*: Other connections are available: G 1/4, 9/16NF, 5/8UNF, M16*1.5
Please confirm when ordering.

Quick Connectors

GENTEC® Quick Connectors provide fast, reliable, and easy setup for welding, cutting, and brazing applications. They ensure pressure-tight connections made in seconds.

Hose-To-Hose Quick Pair QC-HHPR



QC-HHF
For Fuel Gases



QC-HHX
For Oxygen

Regulator-To-Hose Pair QC-RHPR



QC-RHF
For Fuel Gases



QC-RHX
For Oxygen

Hose-To-Torch Pair QC-HTPR



QC-HTF
For Fuel Gases



QC-HTX
For Oxygen

- Built-in automatic reset check valves prevent reverse flow of gas by cutting off the gas under back pressure
- Oxygen and Fuel gas models are not interchangeable in order to prevent wrong connections
- Maximum working pressure: 29 psi for fuel gases, 45 psi for oxygen
- Gas must be shut off at regulators when disconnected
- Color-coded for fast, efficient, and safe handling
- Connections: 9/16"-18, G3/8", M16-1.5

Type	Model Number	Gas Service	Inlet Connection	Outlet Connection
Hose To Hose	QC-HHX	Oxygen	9/16"-18RH (F)	9/16"-18RH (M)
	QC-HHF	Fuel	9/16"-18LH (F)	9/16"-18LH (M)
	QC-HH55X	Oxygen	G3/8"-RH (F)	G3/8"-RH (M)
	QC-HH55F	Fuel	G3/8"-LH (F)	G3/8"-LH (M)
	QC-HH66X	Oxygen	M16-1.5RH (F)	M16-1.5RH (M)
	QC-HH66F	Fuel	M16-1.5LH (F)	M16-1.5LH (M)
	QC-HH77X	Oxygen	3/16" Hose	3/16" Hose
	QC-HH77F	Fuel	3/16" Hose	3/16" Hose
	QC-HH88X	Oxygen	1/4" Hose	1/4" Hose
	QC-HH88F	Fuel	1/4" Hose	1/4" Hose
	QC-HH99X	Oxygen	5/16" Hose	5/16" Hose
QC-HH99F	Fuel	5/16" Hose	5/16" Hose	

Type	Model Number	Gas Service	Inlet Connection	Outlet Connection
Regulator To Hose	QC-RHX	Oxygen	9/16"-18RH (F)	9/16"-18RH (M)
	QC-RHF	Fuel	9/16"-18LH (F)	9/16"-18LH (M)
	QC-RH25X	Oxygen	G3/8"-RH (F)	G3/8"-RH (M)
	QC-RH25F	Fuel	G3/8"-LH (F)	G3/8"-LH (M)
	QC-RH36X	Oxygen	M16-1.5RH (F)	M16-1.5RH (M)
	QC-RH36F	Fuel	M16-1.5LH (F)	M16-1.5LH (M)
	QC-RH27X	Oxygen	G3/8"-RH (F)	3/16" Hose
	QC-RH27F	Fuel	G3/8"-LH (F)	3/16" Hose
	QC-RH37X	Oxygen	M16-1.5RH (F)	3/16" Hose
	QC-RH37F	Fuel	M16-1.5LH (F)	3/16" Hose
	QC-RH28X	Oxygen	G3/8"-RH (F)	1/4" Hose
	QC-RH28F	Fuel	G3/8"-LH (F)	1/4" Hose
	QC-RH38X	Oxygen	M16-1.5RH (F)	1/4" Hose
	QC-RH38F	Fuel	M16-1.5LH (F)	1/4" Hose
	QC-RH29X	Oxygen	G3/8"-RH (F)	5/16" Hose
	QC-RH29F	Fuel	G3/8"-LH (F)	5/16" Hose
	QC-RH39X	Oxygen	M16-1.5RH (F)	5/16" Hose
	QC-RH39F	Fuel	M16-1.5LH (F)	5/16" Hose

Type	Model Number	Gas Service	Inlet Connection	Outlet Connection
Hose To Torch or Machine	QC-RTX	Oxygen	9/16"-18RH (F)	9/16"-18RH (M)
	QC-RTF	Fuel	9/16"-18LH (F)	9/16"-18LH (M)
	QC-RT52X	Oxygen	G3/8"-RH (F)	G3/8"-RH (M)
	QC-RT52F	Fuel	G3/8"-LH (F)	G3/8"-LH (M)
	QC-RT63X	Oxygen	M16-1.5RH (F)	M16-1.5RH (M)
	QC-RT63F	Fuel	M16-1.5LH (F)	M16-1.5LH (M)
	QC-RT72X	Oxygen	3/16" Hose	G3/8"-RH (F)
	QC-RT72F	Fuel	3/16" Hose	G3/8"-LH (F)
	QC-RT73X	Oxygen	3/16" Hose	M16-1.5RH (F)
	QC-RT73F	Fuel	3/16" Hose	M16-1.5LH (F)
	QC-RT82X	Oxygen	1/4" Hose	G3/8"-RH (F)
	QC-RT82F	Fuel	1/4" Hose	G3/8"-LH (F)
	QC-RT83X	Oxygen	1/4" Hose	M16-1.5RH (F)
	QC-RT83F	Fuel	1/4" Hose	M16-1.5LH (F)
	QC-RT92X	Oxygen	5/16" Hose	G3/8"-RH (F)
	QC-RT92F	Fuel	5/16" Hose	G3/8"-LH (F)
	QC-RT93X	Oxygen	5/16" Hose	M16-1.5RH (F)
	QC-RT93F	Fuel	5/16" Hose	M16-1.5LH (F)

QUICK CONNECTORS WITH BUILT-IN FLASHBACK ARRESTORS

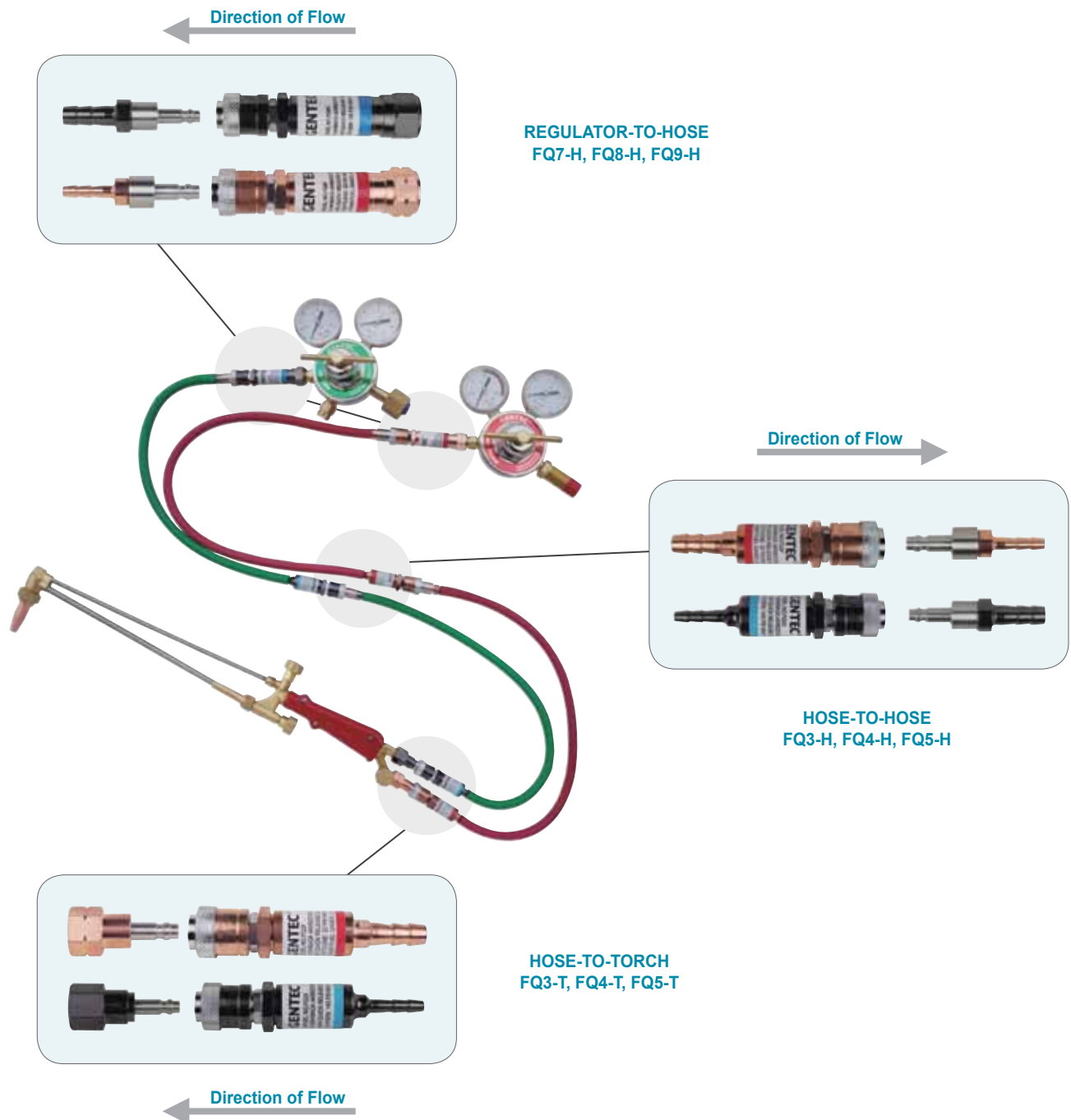
Gas Welding & Cutting Apparatus

Features

- Quick connectors are designed for easy connection and easy discontinuation of gases
- Stainless steel sintered filters are designed to quench the flame from severe flashbacks
- Built-in automatic reset check valves are designed to prevent the reverse flow of gases

Types of Connection

- Regulator-to-Hose
- Hose-to-Hose
- Hose-to-Torch



QUICK CONNECTORS WITH BUILT-IN FLASHBACK ARRESTORS

Gas Welding & Cutting Apparatus

FQ7-H, FQ8-H, FQ9-H SERIES

Regulator-to-Hose







Oxygen



Fuel Gas

Model Number	Gas Service	Working Pressure	Maximum Flow	Inlet Connection	Outlet Connection	Flashback Arrestor	Quick Connector
FQ7-H7X	Oxygen	145 psi	423 SCFH	9/16" RH(F)	3/16" Hose	FQ7X	Q1132
FQ7-H8X	Oxygen	145 psi	423 SCFH	9/16" RH(F)	1/4" Hose	FQ7X	Q1134
FQ7-H9X	Oxygen	145 psi	423 SCFH	9/16" RH(F)	5/16" Hose	FQ7X	Q1136
FQ7-H7F	Fuel Gas	22 psi	70 SCFH	9/16" LH(F)	3/16" Hose	FQ7F	Q1126
FQ7-H8F	Fuel Gas	22 psi	70 SCFH	9/16" LH(F)	1/4" Hose	FQ7F	Q1128
FQ7-H9F	Fuel Gas	22 psi	70 SCFH	9/16" LH(F)	5/16" Hose	FQ7F	Q1130
FQ8-H7X	Oxygen	145 psi	423 SCFH	G3/8" RH(F)	3/16" Hose	FQ8X	Q1132
FQ8-H8X	Oxygen	145 psi	423 SCFH	G3/8" RH(F)	1/4" Hose	FQ8X	Q1134
FQ8-H9X	Oxygen	145 psi	423 SCFH	G3/8" RH(F)	5/16" Hose	FQ8X	Q1136
FQ8-H7F	Fuel Gas	22 psi	70 SCFH	G3/8" LH(F)	3/16" Hose	FQ8F	Q1126
FQ8-H8F	Fuel Gas	22 psi	70 SCFH	G3/8" LH(F)	1/4" Hose	FQ8F	Q1128
FQ8-H9F	Fuel Gas	22 psi	70 SCFH	G3/8" LH(F)	5/16" Hose	FQ8F	Q1130
FQ9-H7X	Oxygen	145 psi	423 SCFH	M16*15 RH(F)	3/16" Hose	FQ9X	Q1132
FQ9-H8X	Oxygen	145 psi	423 SCFH	M16*15 RH(F)	1/4" Hose	FQ9X	Q1134
FQ9-H9X	Oxygen	145 psi	423 SCFH	M16*15 RH(F)	5/16" Hose	FQ9X	Q1136
FQ9-H7F	Fuel Gas	22 psi	70 SCFH	M16*15 LH(F)	3/16" Hose	FQ9F	Q1126
FQ9-H8F	Fuel Gas	22 psi	70 SCFH	M16*15 LH(F)	1/4" Hose	FQ9F	Q1128
FQ9-H9F	Fuel Gas	22 psi	70 SCFH	M16*15 LH(F)	5/16" Hose	FQ9F	Q1130

Flashback Arrestor	Model No.	Inlet Connection
 Oxygen (with female quick connector)	FQ7X	9/16" RH(F)
	FQ8X	G3/8" RH(F)
	FQ9X	M16*1.5 RH(F)
 Fuel gas (with female quick connector)	FQ7F	9/16" LH(F)
	FQ8F	G3/8" LH(F)
	FQ9F	M16*1.5 LH(F)

Male Quick Connector	Model No.	Outlet Connection
 Oxygen	Q1132	3/16" Hose
	Q1134	1/4" Hose
	Q1136	5/16" Hose
 Fuel gas	Q1126	3/16" Hose
	Q1128	1/4" Hose
	Q1130	5/16" Hose

FQ3-H, FQ4-H, FQ5-H SERIES

Hose-to-Hose



Oxygen



Fuel Gas



Model Number	Gas Service	Working Pressure	Maximum Flow	Inlet Connection	Outlet Connection	Flashback Arrestor	Quick Connector
FQ3-H7X	Oxygen	145 psi	423 SCFH	3/16" Hose	3/16" Hose	FQ3X	Q1132
FQ3-H7F	Fuel Gas	22 psi	70 SCFH	3/16" Hose	3/16" Hose	FQ3F	Q1126
FQ4-H8X	Oxygen	145 psi	423 SCFH	1/4" Hose	1/4" Hose	FQ4X	Q1134
FQ4-H8F	Fuel Gas	22 psi	70 SCFH	1/4" Hose	1/4" Hose	FQ4F	Q1128
FQ5-H9X	Oxygen	145 psi	423 SCFH	5/16" Hose	5/16" Hose	FQ5X	Q1136
FQ5-H9F	Fuel Gas	22 psi	70 SCFH	5/16" Hose	5/16" Hose	FQ5F	Q1130



QUICK CONNECTORS WITH BUILT-IN FLASHBACK ARRESTORS

Gas Welding & Cutting Apparatus

FQ3-H, FQ4-H, FQ5-H SERIES

Hose-to-Hose

Flashback Arrestor	Model No.	Inlet Connection
	FQ3X	3/16" Hose
	FQ4X	1/4" Hose
	FQ5X	5/16" Hose
	FQ3F	3/16" Hose
	FQ4F	1/4" Hose
	FQ5F	5/16" Hose

Quick Connector	Model No.	Outlet Connection
	Q1132	3/16" Hose
	Q1134	1/4" Hose
	Q1136	5/16" Hose
	Q1126	3/16" Hose
	Q1128	1/4" Hose
	Q1130	5/16" Hose

FQ3-T, FQ4-T, FQ5-T SERIES

Torch-to-Hose







Oxygen



Fuel Gas

Model Number	Gas Service	Working Pressure	Maximum Flow	Inlet Connection	Outlet Connection	Flashback Arrestor	Quick Connector
FQ3-T1X	Oxygen	145 psi	423 SCFH	3/16" Hose	9/16" RH(F)	FQ3X	Q1104
FQ3-T2X	Oxygen	145 psi	423 SCFH	3/16" Hose	G3/8" RH(F)	FQ3X	Q1112
FQ3-T3X	Oxygen	145 psi	423 SCFH	3/16" Hose	M16*1.5 RH(F)	FQ3X	Q1120
FQ3-T1F	Fuel Gas	22 psi	70 SCFH	3/16" Hose	9/16" LH(F)	FQ3F	Q1108
FQ3-T2F	Fuel Gas	22 psi	70 SCFH	3/16" Hose	G3/8" LH(F)	FQ3F	Q1116
FQ3-T3F	Fuel Gas	22 psi	70 SCFH	3/16" Hose	M16*1.5 LH(F)	FQ3F	Q1124
FQ4-T1X	Oxygen	145 psi	423 SCFH	1/4" Hose	9/16" RH(F)	FQ4X	Q1104
FQ4-T2X	Oxygen	145 psi	423 SCFH	1/4" Hose	G3/8" RH(F)	FQ4X	Q1112
FQ4-T3X	Oxygen	145 psi	423 SCFH	1/4" Hose	M16*1.5 RH(F)	FQ4X	Q1120
FQ4-T1F	Fuel Gas	22 psi	70 SCFH	1/4" Hose	9/16" LH(F)	FQ4F	Q1108
FQ4-T2F	Fuel Gas	22 psi	70 SCFH	1/4" Hose	G3/8" LH(F)	FQ4F	Q1116
FQ4-T3F	Fuel Gas	22 psi	70 SCFH	1/4" Hose	M16*1.5 LH(F)	FQ4F	Q1124
FQ5-T1X	Oxygen	145 psi	423 SCFH	5/16" Hose	9/16" RH(F)	FQ5X	Q1104
FQ5-T2X	Oxygen	145 psi	423 SCFH	5/16" Hose	G3/8" RH(F)	FQ5X	Q1112
FQ5-T3X	Oxygen	145 psi	423 SCFH	5/16" Hose	M16*1.5 RH(F)	FQ5X	Q1120
FQ5-T1F	Fuel Gas	22 psi	70 SCFH	5/16" Hose	9/16" LH(F)	FQ5F	Q1108
FQ5-T2F	Fuel Gas	22 psi	70 SCFH	5/16" Hose	G3/8" LH(F)	FQ5F	Q1116
FQ5-T3F	Fuel Gas	22 psi	70 SCFH	5/16" Hose	M16*1.5 LH(F)	FQ5F	Q1124

Flashback Arrestor	Model No.	Inlet Connection
	FQ3X	3/16" Hose
	FQ4X	1/4" Hose
	FQ5X	5/16" Hose
	FQ3F	3/16" Hose
	FQ4F	1/4" Hose
	FQ5F	5/16" Hose

Quick Connector	Model No.	Outlet Connection
	Q1104	9/16" RH(F)
	Q1112	G3/8" RH(F)
	Q1120	M16*1.5 RH(F)
	Q1108	9/16" LH(F)
	Q1116	G3/8" LH(F)
	Q1124	M16*1.5 LH(F)

FLASHBACK ARRESTORS

Gas Welding & Cutting Apparatus



Regulator

GENTEC® Flashback Arrestors are specially designed to prevent personal injury and damage to equipment from severe flashbacks. GENTEC® Flashback Arrestors are available for regulators, torches, and pipes.

FA23RF For Fuel Gas **FA23RO** For Oxygen

- Sintered Metal Flame Arresting Filter quenches the flame from severe flashbacks
- Built-in automatic reset Check Valve prevents the reverse flow of gas by temporarily cutting off the gas
- FA10 and FA20 Series are equipped with a Heat Sensitive Cut-off Valve which automatically shuts off gas supply and cannot be reset
- FA23 Series is equipped with a Pressure Sensitive Cut-off Valve, which automatically shuts off gas supply and can be
- Manually reset, and a Pressure Relief Valve, which relieves excess pressure and fumes in the event of a flashback

Pair Model Number	Single Model Number	Fits	Gas Service	Working Pressure (psi)	Flow Capacity (SCFH)	Inlet Connection	Outlet Connection	Equipped
FA7TPR	FA7TF	Torch	Acetylene, Fuel	15 psi (103 kPa)	72	9/16"-18LH(M)	9/16"-18LH(F)	/
	FA7TO		Oxygen	145 psi (1000 kPa)	425	9/16"-18RH(M)	9/16"-18RH(F)	
FA7RPR	FA7RF	Regulator	Acetylene, Fuel	15 psi (103 kPa)	72	9/16"-18LH(F)	9/16"-18LH(M)	
	FA7RO		Oxygen	145 psi (1000 kPa)	425	9/16"-18RH(F)	9/16"-18RH(M)	
FA8TPR	FA8TF	Torch	Acetylene, Fuel	22 psi (152 kPa)	72	G3/8"-LH(M)	G3/8"-LH(F)	
	FA8TO		Oxygen	145 psi (1000 kPa)	425	G3/8"-RH(M)	G3/8"-RH(F)	
FA8RPR	FA8RF	Regulator	Acetylene, Fuel	22 psi (152 kPa)	72	G3/8"-LH(F)	G3/8"-LH(M)	
	FA8RO		Oxygen	145 psi (1000 kPa)	425	G3/8"-RH(F)	G3/8"-RH(M)	
FA9TPR	FA9TF	Torch	Acetylene, Fuel	22 psi (152 kPa)	72	M16 x 1.5LH(M)	M16 x 1.5LH(F)	
	FA9TO		Oxygen	145 psi (1000 kPa)	425	M16 x 1.5RH(M)	M16 x 1.5RH(F)	
	FA9TF-H		Acetylene, Fuel	22 psi (152 kPa)	320	M16 x 1.5LH(M)	M16 x 1.5LH(F)	
	FA9TO-H		Oxygen	145 psi (1000 kPa)	1400	M16 x 1.5RH(M)	M16 x 1.5RH(F)	
FA9RPR	FA9RF	Regulator	Acetylene, Fuel	22 psi (152 kPa)	105	M16 x 1.5LH(F)	M16 x 1.5LH(M)	
	FA9RO		Oxygen	145 psi (1000 kPa)	425	M16 x 1.5RH(F)	M16 x 1.5RH(M)	
	FA9RF-H		Acetylene, Fuel	22 psi (152 kPa)	320	M16 x 1.5LH(F)	M16 x 1.5LH(M)	
	FA9RO-H		Oxygen	145 psi (1000 kPa)	1400	M16 x 1.5RH(F)	M16 x 1.5RH(M)	
N/A	FA10RF	Regulator	Acetylene, Fuel	15 psi (103 kPa)	350	9/16"-18LH	9/16"-18LH	Check Valve Thermal Cut-Off
	FA10RO		Oxygen	145 psi (1000 kPa)	1060	9/16"-18RH	9/16"-18RH	
N/A	FA20PF	Pipe	Acetylene, Fuel	15 psi (103 kPa)	350	9/16"-18LH	9/16"-18LH	Check Valve Thermal Cut-Off
	FA20PO		Oxygen	145 psi (1000 kPa)	1240	9/16"-18RH	9/16"-18RH	
N/A	FA23RF	Regulator	Acetylene, Fuel	15 psi (103 kPa)	350	9/16"-18LH	9/16"-18LH	Check Valve Pressure Relief & Pressure Cut-Off
	FA23RO		Oxygen	145 psi (1000 kPa)	1410	9/16"-18RH	9/16"-18RH	

FA9 series flashback arrestors for oxygen are color coded blue, fuel gases are red.
All other flashback arrestors for oxygen are color coded green or neutral, fuel gases are red.

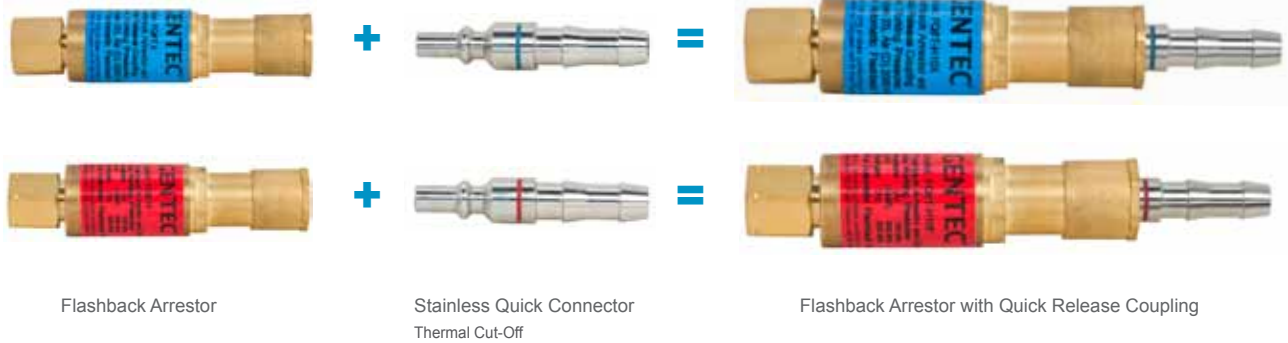
FLASHBACK ARRESTORS WITH QUICK RELEASE COUPLINGS

Gas Welding & Cutting Apparatus

Flashback Arrestors with Quick Release Couplings

GENTEC Flashback Arrestors with Quick Release Couplings are designed to prevent personal injury and damage to equipment from severe flashback.

- Available for both regulators and torches
- Sintered Stainless Steel Flame Arresting Filter prevents flashback
- Does not require manual reset after a flashback
- Non-return check valve prevents reverse flow of gas
- Automatic gas cut-off when quick connector is disconnected
- Stainless steel quick connectors for durability
- Color coded quick connector and body to avoid mix up of gas types
- Meets EN 730-1, EN 561



Flashback Arrestor with Quick Release Couplings



Model Number	Gas Service	Working Pressure	Max. Flow Capacity	Inlet Connection	Outlet Connection	Check Valve	Flashback Arrestor	Quick Connector	Fits
FQ8T-H10X	Oxygen	2000 kPa (20 bar)	800 LPM	10 mm (hose)	G 3/8" RH (F)	With Check Valve	FQ8TX	H10X	Torch
FQ8T-H10F	Acetylene, Fuel	150 kPa (1.5 bar)	250 LPM	10 mm (hose)	G 3/8" LH (F)	With Check Valve	FQ8TF	H10F	
FQ8T-H08X	Oxygen	2000 kPa (20 bar)	800 LPM	8 mm (hose)	G 3/8" RH (F)	With Check Valve	FQ8TX	H8X	
FQ8T-H08F	Acetylene, Fuel	150 kPa (1.5 bar)	250 LPM	8 mm (hose)	G 3/8" LH (F)	With Check Valve	FQ8TF	H8F	
FQ8R-H10X	Oxygen	2000 kPa (20 bar)	800 LPM	G 3/8" RH (F)	10 mm (hose)	With Check Valve	FQ8RX	H10X	Regulator
FQ8R-H10F	Acetylene, Fuel	150 kPa (1.5 bar)	250 LPM	G 3/8" LH (F)	10 mm (hose)	With Check Valve	FQ8RF	H10F	
FQ8R-H08X	Oxygen	2000 kPa (20 bar)	800 LPM	G 3/8" RH (F)	8 mm (hose)	With Check Valve	FQ8RX	H8X	
FQ8R-H08F	Acetylene, Fuel	150 kPa (1.5 bar)	250 LPM	G 3/8" LH (F)	8 mm (hose)	With Check Valve	FQ8RF	H8F	

Flashback Arrestor



Model Number	Gas Service	Inlet Connection	Fits
FQ8TX	Oxygen	G 3/8" RH (F)	Torch
FQ8TF	Acetylene, Fuel	G 3/8" LH (F)	
FQ8RX	Oxygen	G 3/8" RH (F)	Regulator
FQ8RF	Acetylene, Fuel	G 3/8" LH (F)	

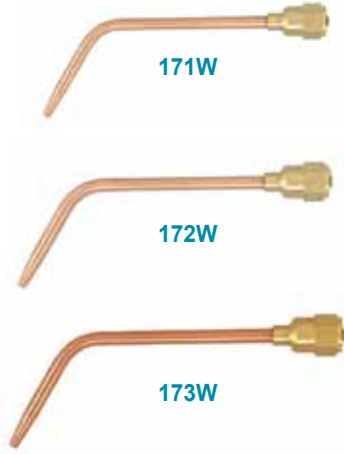
Quick Connector



Model Number	Gas Service	Inlet Connection
H10X	Oxygen	10 mm (hose)
H10F	Acetylene, Fuel	10 mm (hose)
H8X	Oxygen	8 mm (hose)
H8F	Acetylene, Fuel	8 mm (hose)

Oxy-Acetylene & Oxy-Hydrogen Welding Nozzles

- Red copper tip ends
- Ideal for soldering, brazing, heating, hardfacing, etc.
- 171W, 172W, and 173W use one-piece elbow tips
- Victor® compatible



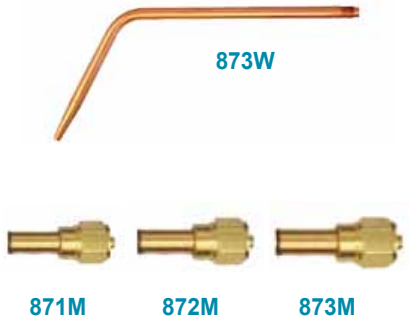
Nozzle Series	Victor® Equivalent	Sizes Available	Fits Torch Handles	Type
171W	W-J	000-6	140T, 141T 141TA, 342T-Y 10CM (000-0)	1 PIECE
172W	W-1		142T	
173W	W		143T 143TL 143TLH	

171W, 172W, 173W, 173WRTE					
Tip Size	Metal Thickness	Drill Size	Oxygen (Psi)	Acetylene (Psi)	Acetylene (SCFH)
000	UP TO 1/32"	75 (.022)	3/5	3/5	1/2
00	1/16" - 3/64"	70 (.028)	3/5	3/5	1.5/3
0	1/32" - 5/64"	65 (.035)	3/5	3/5	2/4
1	3/64" - 3/32"	60 (.040)	3/5	3/5	3/6
2	1/16" - 1/8"	56 (.046)	3/5	3/5	5/10
3	1/8" - 3/16"	53 (.060)	4/7	3/5	8/18
4	3/16" - 1/4"	49 (.073)	5/10	4/7	10/25
5	1/4" - 1/2"	43 (.089)	6/12	5/8	15/35
6	1/2" - 3/4"	36 (.106)	7/14	6/9	25/45

472W			
Tip Size	Metal Thickness	Oxygen (Psi)	Acetylene (Psi)
0	1/64"	1	1
1	1/32"	1	1
2	3/64"	2	2
3	1/16"	3	3
4	3/32"	4	4
5	1/8"	5	5
6	3/16"	6	6
7	1/4"	7	7
8	5/16"	8	8

Welding Elbows & Mixers of 171W, 172W & 173W

Elbow Series	Victor® Equivalent	Sizes Available	Mixer Model Number	Victor® Equivalent	Fits Torch Handles	Nozzle Series
871W	-	000-4	871M	4-UM-J	140T, 141T 141TA, 342T-Y 10CM (000-0)	171W
		5, 6	871M-7	7-UM-J		
872W	ET	000-2	872M	4-UM-1	142T	172W
	ET-1	3, 4		7-UM-1		
872W	ET	000-2	873M	2-UM	143T 143TL 143TLH	173W
873W	ET	3, 4	873M-4	4-UM		
		5, 6	873M-6	6-UM		



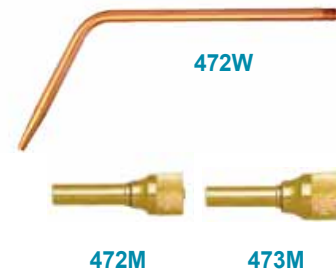
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WELDING NOZZLES

Oxy-Acetylene Welding Elbows & Mixers

- Red copper tip ends
- Ideal for soldering, brazing, heating, hardfacing, etc.
- Harris® compatible

Elbow Series	Harris® Equivalent	Sizes Available	Mixer Model Number	Harris® Equivalent	Fits Torch Handle
472W	23A90	0-8	472M	D-85	442T
			473M	E-43	443T



Multi-Gas Welding Nozzles

- Replaceable tip ends
- Ideal for brazing and heating
- Victor® compatible



Nozzle Series	Gas Service	Victor® Equivalent	Fits Torch Handles	Sizes Available	Type	Elbow Number	Tip Number
173WRTE	OXY-ACET.	RTE	143T, 143TL 143TLH	0-6	2 PIECE	883W	883TE
G17	OXY-FUEL	UN-J+TEN	140T, 141T 141TA, 342T-F	0-6	2 PIECE	881W	883TEN 883TEN 883TEN
172WRTEN		UN-1+TEN	142T	0, 2, 4, 6	2 PIECE	882W	
173WRTEN		RTEN	143T, 143TL 143TLH	0, 2, 4, 6, 8	2 PIECE	883W	

Multi-Gas Welding Elbows



Model Number	Victor® Equivalent	Fits Torch Handle	Fits Tip End Number
881W	UN-J	140T, 141T, 141TA, 342T	883TE-0~5 883TEN-0~5 883TEMFA-1~5
881W-TT	N/A		
882W	UN-1	142T	
883W	UN	143T, 143TL, 143TLH	

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WELDING & BRAZING NOZZLES

Gas Welding & Cutting Apparatus

Multi-Gas Welding Replacement Tip Ends



883TE



883TEMFA



883TEN



883TEMFN

Tip End Series	Gas Service	Victor® Equivalent	Sizes Available	Thread	Fits Elbows & Nozzles
883TE	OXY-ACET.	TE	0-5	5/16"-27	881W, 881W-TT, 882W, 883W, 173WRTE -0-5
			6	0.393"-27	173WRTE-6
883TEMFA	OXY-ACET.	TEMFA	1-5	5/16"-27	881W, 881W-TT, 882W, 883W
883TEN	OXY-FUEL	TEN	0-5	5/16"-27	881W, 881W-TT, 882W, 883W, 172WRTE -0, 2, 4, 173WRTE -0, 2, 4
			6, 8	0.393"-27	172WRTE-6, 173WRTE-6, 8
883TEMFN	OXY-FUEL	TEMFN	5	5/16"-27	881W, 881W-TT, 882W, 883W

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Mini-Style Oxy-Acetylene Brazing Tips

Mini-Style Oxy-Acetylene Brazing Tips, rugged and short, are designed to provide precise and concentrated heat up to 6000°F.



GMTW Welding Tip



GMTR Rosebud Tip



GMTT Welding Tip

Model Number	Brazing Capacity	Overall Length	Fits Torch Handles
GMTW-1	1/2"	3"	140T, 141TA, 342T-Y, 10CM
GMTW-2	1"	3"	
GMTT	1"	4"	
GMTR	1-1/2"	4"	

Model Number	Oxygen (Psi)	Acetylene (Psi)	Acetylene (SCFH)	Brazing Capacity For Copper	Welding Metal Thickness
GMTW-1	5	5	2/3	1/2"	3/64"
GMTW-2	5	5	2/4	1"	5/64"
GMTT	5	5	4/6	1"	N/A
GMTR	5	5	4/8	1-1/2"	N/A

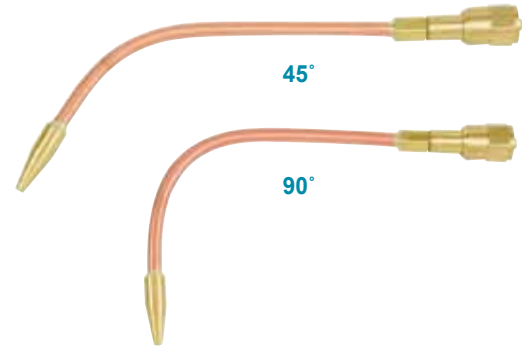
Flexible Oxy-Acetylene Brazing Tips

G17-FT Flexible Brazing Tip has a 9" long flexible elbow that can be shaped to provide flexibility for various flame positions. It can be reshaped for the next application.

Model Number	Fits Torch Handles
G17-FT	140T, 141TA, 342T-Y



G17-FT Flexible Brazing Tip



45°

90°

G13-8VM Flexible Twin Heating Tip has two flexible elbows that can be shaped to provide flexibility for various flame positions. It can be reshaped for the next application.

Model Number	Fits Torch Handles
G13-8VM	140T, 141TA, 342T-Y



G13-8VM Flexible Twin Heating Tip

Model Number	Oxygen (Psi)	Acetylene (Psi)	Acetylene (SCFH)	Brazing Capacity For Copper
G17-FT	5	5	4	UP TO 7/8"
G13-8VM	25	15	60	4" - 12"

Oxy-Acetylene Rosebud Heating Tip

G17-VMA-1 Oxy-Acetylene Rosebud tip is a multi-flamed tip designed for soldering, brazing, and heating in confined areas.



Rosebud Tip

Model Number	Fits Torch Handles	Size Available
G17-VMA-1	140T, 141TA, 342T-Y	1

Model Number	Oxygen (Psi)	Acetylene (Psi)	Acetylene (SCFH)	Brazing Capacity For Copper
G17-VMA-1	15	12	30	1/2" - 6

BRAZING & HEATING NOZZLES

Gas Welding & Cutting Apparatus

Oxy-Acetylene & Oxy-Hydrogen Heating Nozzles

- Ideal for preheating, straightening, etc.
- 173H-12 and 173H-15 are also used for propylene based fuel gases and MAPP®
- G17-VMA-1 is designed for heating in confined areas
- Victor® compatible



G17-VMA-1



171H



172H



173H

Nozzle Series	Victor® Equivalent	Sizes Available	Fits Torch Handles
G17-VMA-1	VMA-1-15	1	140T, 141T, 141TA, 342T-Y
171H	MFA-J	2, 4, 6	140T, 141T, 342T-Y
172H	MFA-1	2, 4, 6, 8	142T
173H	MFA	4, 6, 8, 10, 12, 15	143T, 143TL, 143TLH

Model Number	Tip Size	Oxygen (Psi)	Acetylene/Fuel (Psi)	Oxygen (SCFH)	Acetylene/Fuel (SCFH)
171H / 172H / 173H	2	4/8	4/8	3/10	3/9
	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

Heating Elbows & Mixers of 171H, 172H & 173H



872H

872M



873H

873M

Elbow Series	Sizes Available	Mixer Model Number	Nozzle Series	Fits Torch Handles
871H	2, 4, 6	871M-7	171H	140T, 141T, 141TA, 342T-Y
872H	2, 4, 6	872M	172H	142T
	8	873M-7		
873H	4, 6, 8, 10, 12, 15	873M-10	173H	143T, 143TL, 143TLH

HEATING NOZZLES

Oxy-Propane, Oxy-Propylene & Oxy-Natural Gas Heating Nozzles

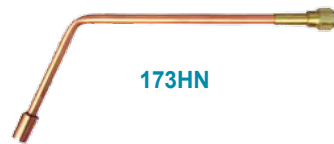
- Ideal for preheating, straightening, etc.
- Heavy swaged copper tip with recessed face



171HN



172HN



173HN

Nozzle Series	Victor® Equivalent	Sizes Available	Fits Torch Handles
171HN	MFN-J	6, 8	140T, 141T, 141TA, 342T-Y
172HN	MFN-1	6, 8	142T
173HN	MFN	8, 10, 12, 15, 20	143T, 143TL, 143TLH

Model Number	Tip Size	Oxygen (Psi)	Acetylene/Fuel (Psi)	Oxygen (SCFH)	Acetylene/Fuel (SCFH)
171HN / 172HN / 173HN	6	8/20	2/10	20/80	5.5/20
	8	10/20	10/15	40/140	10/35
	10	10/30	12/20	80/320	20/80
	12	30/25	15/25	120/640	30/160
	15	30/125	15/25	200/800	50/200
	20	40/135	15/25	300/1000	75/250

Oxy-Acetylene Heating Elbows & Mixers

- Ideal for preheating & straightening
- Harris® compatible



472M



473M

Model Number	Harris® Equivalent	Size Available	Mixer Model Number	Harris® Equivalent	Fits Torch Handles
472H-2	J-63-2	2	472M	D-85	442T
			473M	E-43	443T

Model Number	Tip Size	Oxygen (Psi)	Acetylene/Fuel (Psi)	Oxygen (SCFH)	Acetylene/Fuel (SCFH)
472H-2	2	3/7	3/7	N/A	30/50

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175HN Fuel Gas (Except Acetylene) Heating Nozzles

- Use with any fuel gas except acetylene
- Components of 175HN series are available
- Replaceable red copper heating tips for longer service
- Threaded elbows provide the extension of these nozzles
- Ideal for pre-heating, straightening, etc.
- Victor® type 55 compatible



Nozzle Series	Victor® Equivalent	Sizes Available	Fits Torch Handles	Total Length
175HN	TYPE 55	10, 15, 20	143T 143TL 143TLH	28"

Model Number	Tip Size	Oxygen (Psi)	Acetylene/Fuel (Psi)	Oxygen (SCFH)	Acetylene/Fuel (SCFH)
175HN	10	70/100	15/25	150/200	150/200
	15	90/120	20/35	250/350	250/350
	20	100/150	30/50	400/500	400/500

Heating Elbows



Model Number	Length	Angle	Fits Torch Handles
875HEL-14	14"	65°	143T 143TL 143TLH
875HEL-26	26"	65°	
875HEL-28	28"	180°	

Heating Head & Mixer



Head Series	Sizes Available
875HRB	10, 15, 20

Mixer Model Number
876M

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CUTTING TIPS

GENTEC® Cutting Tips are precision machined from high quality copper alloys for durability. The gas passages for single-piece acetylene tips are accurately swage-formed and shaped on polished mandrels for smooth and efficient gas flow. Dual-piece tips, featuring an internal spline configuration are designed for alternate fuel gases, and offer the optimum in cutting performance. High speed cutting tips feature stainless steel insert core for longer life. All tips are 100% flame tested.

Victor® Style Cutting Tips



Tip Series	Victor® Equivalent	Sizes Available	Type	Gases	Fits
172C	3-101	000-6	1 PIECE	ACETYLENE	142C
172CN	3-GPN	000-5	2 PIECE	NATURAL GAS/PROPANE	
172CP	3-GPP	0, 1, 2	2 PIECE	PROPYLENE/MAPP®	
173C	1-101	000-8	1 PIECE	ACETYLENE	143CA
173CN	GPN	000-8	2 PIECE	NATURAL GAS/PROPANE	
173CP	GPP	00-5	2 PIECE	PROPYLENE/MAPP®	
173CM	GPM	0, 1, 2	2 PIECE	MAPP®	

Angle: 40°

172C & 173C Series Cutting Tips For Oxy-Acetylene

GENTEC® Tip Size	Metal Thickness (mm)	Cutting Speed (mm /min)	Cutting Oxygen psi (bar)	Cutting Oxygen (LPM)	Pre-Heat Oxygen psi (bar)*	Pre-Heat Oxygen (LPM)	Acetylene (psi)	Acetylene (LPM)
000	3.175	711.2~762	20~25 (1.38~1.72)	9.44~11.80	3~5 (0.21~0.34)	1.42~2.36	3~5 (0.21~0.34)	1.42~2.36
00	6.35	685.8~762	20~25 (1.38~1.72)	14.16~16.52	3~5 (0.21~0.34)	1.89~2.83	3~5 (0.21~0.34)	1.89~2.83
0	9.525	609.6~711.2	25~30 (1.72~2.07)	25.96~28.32	3~5 (0.21~0.34)	2.36~4.25	3~5 (0.21~0.34)	2.36~3.78
0	12.7	508~609.6	30~35 (2.07~2.41)	28.32~30.68	3~6 (0.21~0.41)	3.30~5.19	3~5 (0.21~0.34)	2.83~4.72
1	19.05	431.8~533.4	30~35 (2.07~2.41)	37.76~40.12	4~7 (0.28~0.48)	4.25~6.61	3~5 (0.21~0.34)	3.78~4.72
2	25.4	381~482.6	35~40 (2.41~2.76)	66.08~70.80	4~9 (0.28~0.62)	5.19~8.50	3~6 (0.21~0.41)	4.72~7.55
2	38.1	330.2~431.8	40~45 (2.76~3.10)	70.80~75.52	4~12 (0.28~0.83)	6.14~9.44	3~7 (0.21~0.48)	5.66~8.50
3	50.8	304.8~381	40~45 (2.76~3.10)	99.12~106.20	5~14 (0.34~0.97)	7.08~11.33	4~9 (0.28~0.62)	6.61~10.38
3	63.5	254~330.2	45~50 (3.10~3.45)	106.20~113.28	5~16 (0.34~1.10)	8.50~13.69	4~10 (0.28~0.69)	7.55~12.27
4	76.2	228.6~304.8	45~50 (3.10~3.45)	127.44~151.04	6~17 (0.41~1.17)	9.44~15.58	5~10 (0.34~0.69)	8.50~14.16
5	101.6	203.2~279.4	45~55 (3.10~3.79)	184.08~212.40	7~18 (0.48~1.24)	11.33~17.46	5~12 (0.34~0.83)	10.38~16.04
5	127	177.8~228.6	50~55 (3.45~3.79)	200.60~212.40	7~20 (0.48~1.38)	13.69~19.35	5~13 (0.34~0.90)	12.27~17.94
6	152.4	152.4~203.2	45~55 (3.10~3.79)	236.00~283.20	10~22 (0.69~1.52)	15.58~22.66	7~13 (0.48~0.90)	14.16~20.77
6	203.2	127~152.4	45~55 (3.10~3.79)	236.00~283.20	10~25 (0.69~1.72)	17.46~25.96	7~14 (0.48~0.97)	16.05~23.60
7	254	101.6~127	45~55 (3.10~3.79)	330.40~401.20	15~30 (1.03~2.07)	20.77~29.26	10~15 (0.69~1.03)	18.88~26.43
8	304.8	76.2~127	45~55 (3.10~3.79)	424.80~472.00	20~35 (1.38~2.41)	25.02~44.54	10~15 (0.69~1.03)	22.66~29.26

*Only applicable for three-hose machine torches

Victor® is a registered trademark of Victor Equipment Co., which is not associated with Genstar Technologies Co., Inc.

172CN & 173CN Series Cutting Tips For Oxy-Propane / Natural Gas

GENTEC® Tip Size	Metal Thickness (mm)	Cutting Speed (mm / min)	Cutting Oxygen psi (bar)	Cutting Oxygen (LPM)	Pre-Heat Oxygen psi (bar)*	Pre-Heat Oxygen (LPM)	Fuel Gas psi (bar)	Fuel Gas (LPM)
000	3.175	609.6~711.2	20~25 (1.38~1.72)	5.66~6.61	20~25 (1.38~1.72)	10.86~50.98	3~5 (0.21~0.34)	2.36~2.83
00	6.35	533.4~635	20~25 (1.38~1.72)	10.38~12.27	20~25 (1.38~1.72)	10.86~50.98	3~5 (0.21~0.34)	2.36~3.30
0	9.525	508~609.6	25~30 (1.72~2.07)	21.24~25.96	20~25 (1.38~1.72)	10.86~50.98	3~5 (0.21~0.34)	3.78~4.72
0	12.7	457.2~558.8	30~35 (2.07~2.41)	23.6~25.96	20~25 (1.38~1.72)	10.86~50.98	3~5 (0.21~0.34)	3.78~4.72
1	19.05	381~508	30~35 (2.07~2.41)	33.04~37.76	20~25 (1.38~1.72)	10.86~50.98	4~6 (0.28~0.41)	4.72~5.66
2	25.4	355.6~457.2	35~40 (2.41~2.76)	54.28~59.00	20~25 (1.38~1.72)	10.86~50.98	4~8 (0.28~0.55)	5.66~7.08
2	38.1	304.8~406.4	40~45 (2.76~3.10)	59.00~63.72	20~25 (1.38~1.72)	10.86~50.98	5~9 (0.34~0.62)	5.66~7.08
3	50.8	254~355.6	40~50 (2.76~3.45)	49.56~82.60	20~25 (1.38~1.72)	10.86~50.98	5~9 (0.34~0.62)	6.61~8.50
3	63.5	228.6~304.8	45~50 (3.10~3.45)	82.60~94.40	20~25 (1.38~1.72)	10.86~50.98	6~10 (0.41~0.69)	6.61~8.50
4	76.2	203.2~279.4	45~50 (3.10~3.45)	99.12~118.00	20~25 (1.38~1.72)	10.86~50.98	8~12 (0.55~0.83)	7.55~9.44
5	101.6	177.8~254	45~55 (3.10~3.79)	141.60~169.92	20~25 (1.38~1.72)	10.86~50.98	8~12 (0.55~0.83)	9.44~14.16
5	127	152.4~228.6	50~55 (3.45~3.79)	141.60~169.92	20~25 (1.38~1.72)	10.86~50.98	8~12 (0.55~0.83)	9.44~14.16
6	152.4	127~177.8	45~55 (3.10~3.79)	188.80~236.00	20~25 (1.38~1.72)	17.94~72.22	10~15 (0.69~1.03)	11.80~16.52
6	203.2	101.6~152.4	55~65 (3.79~4.48)	212.40~236.00	20~25 (1.38~1.72)	17.94~72.22	10~15 (0.69~1.03)	11.80~16.52

*Only applicable for three-hose machine torches

172CP & 173CP & 173CM Series Cutting Tips For Oxy-Propane / MAPP®

GENTEC® Tip Size	Metal Thickness (mm)	Cutting Speed (mm / min)	Cutting Oxygen psi (bar)	Cutting Oxygen (LPM)	Pre-Heat Oxygen psi (bar)*	Pre-Heat Oxygen (LPM)	Acetylene psi (bar)	Acetylene (LPM)
00	6.35	533.4~635	20~25 (1.38~1.72)	10.38~12.27	20~25 (1.38~1.72)	10.86~50.98	3~5 (0.21~0.34)	2.36~3.30
0	9.525	508~609.6	25~30 (1.72~2.07)	21.24~25.96	20~25 (1.38~1.72)	10.86~50.98	3~5 (0.21~0.34)	3.78~4.72
0	12.7	475.2~558.8	30~35 (2.07~2.41)	23.60~25.96	20~25 (1.38~1.72)	10.86~50.98	3~5 (0.21~0.34)	3.78~4.72
1	19.05	381~508	30~35 (2.07~2.41)	33.04~37.76	20~25 (1.38~1.72)	10.86~50.98	4~6 (0.28~0.41)	4.72~5.66
2	25.4	355.6~457.2	35~40 (2.41~2.76)	54.28~59.00	20~25 (1.38~1.72)	10.86~50.98	4~8 (0.28~0.55)	5.66~7.08
2	38.1	304.8~406.4	40~45 (2.76~3.10)	59.00~63.72	20~25 (1.38~1.72)	10.86~50.98	5~9 (0.34~0.62)	6.61~8.50
3	50.8	254~355.6	40~50 (2.76~3.45)	49.56~82.60	20~25 (1.38~1.72)	10.86~50.98	5~9 (0.34~0.62)	6.61~8.50
3	63.5	228.6~304.8	45~50 (3.10~3.45)	82.60~94.40	20~25 (1.38~1.72)	10.86~50.98	6~10 (0.41~0.69)	6.61~8.50
4	76.2	203.2~279.4	45~50 (3.10~3.45)	99.12~118.00	20~25 (1.38~1.72)	10.86~50.98	8~12 (0.55~0.83)	7.55~9.44
5	101.6	177.8~254	45~50 (3.10~3.45)	141.60~169.92	20~25 (1.38~1.72)	10.86~50.98	8~12 (0.55~0.83)	9.44~14.16
5	127	152.4~228.6	50~55 (3.45~3.79)	141.60~169.92	20~25 (1.38~1.72)	10.86~50.98	8~12 (0.55~0.83)	9.44~14.16

*Only applicable for three-hose machine torches

Victor® Style Scarfing - Gouging Tips



172CG



173CG



173CGN

Tip Series	Victor® Equivalent	Sizes Available	Type	Gases	Fits
172CG	3-118	2	1 PIECE	ACETYLENE	
173CG	1-118	0, 2, 4	1 PIECE	ACETYLENE	
173CGN	1-234	2	1 PIECE	NATURAL GAS/PROPANE	

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Victor® Style Machine Torch High Speed Cutting Tips

■ Stainless Steel Inner Core

Tip Series	Victor® Equivalent	Sizes Available	Type	Gases	Fits
173CHP	MTHP	00-4	2 PIECE	PROPYLENE/MAPP®	143CA
173CHN	MTHN	00-6	2 PIECE	NATURAL GAS/PROPANE	

Angle: 40°



173CHP Series High Speed Cutting Tips For Oxy-Propylene / MAPP® 173CHN Series High Speed Cutting Tips For Oxy-Propane / Natural Gas

GENTEC® Tip Size	Metal Thickness (mm)	Cutting Speed (mm / min)	Cutting Oxygen psi (bar)	Cutting Oxygen (LPM)	Pre-Heat Oxygen psi (bar)*	Pre-Heat Oxygen (LPM)	Fuel Gas psi (bar)	Fuel Gas (LPM)
00	6.35	558.8~838.2	85~100 (5.86~6.89)	32.10~35.40	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
00	9.525	558.8~787.4	85~100 (5.86~6.89)	32.10~35.40	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
0	12.7	508~762	85~100 (5.86~6.89)	51.92~56.64	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
0	19.05	457.2~711.2	85~100 (5.86~6.89)	51.92~56.64	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
1	25.4	431.8~685.8	85~100 (5.86~6.89)	68.44~75.52	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
1	31.75	406.4~584.2	85~100 (5.86~6.89)	68.44~75.52	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
1	31.75	304.8~482.6	85~100 (5.86~6.89)	68.44~75.52	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
2	50.8	279.4~431.8	85~100 (5.86~6.89)	108.56~118.00	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
2	63.5	254~381	85~100 (5.86~6.89)	108.56~118.00	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
2	76.2	228.6~330.2	85~100 (5.86~6.89)	108.56~118.00	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
3	101.6	177.8~279.4	85~100 (5.86~6.89)	134.52~151.04	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
3	127	152.4~228.6	85~100 (5.86~6.89)	134.52~151.04	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
3	152.4	127~203.2	85~100 (5.86~6.89)	134.52~151.04	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
4	177.8	127~177.8	85~100 (5.86~6.89)	184.08~212.40	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
4	203.2	101.6~177.8	85~100 (5.86~6.89)	184.08~212.40	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
5	228.6	101.6~152.4	85~100 (5.86~6.89)	316.24~339.84	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68
5	254	76.2~152.4	85~100 (5.86~6.89)	316.24~339.84	10~15 (0.69~1.03)	10.86~66.08	5 (0.34) UP	5.66~30.68

*Only applicable for three-hose machine torches

Victor® Style Machine Torch Heating Tips



173MFTA-10

173MFTN-10

173MFTA-12

173MFTN-12

Tip Series	Victor® Equivalent	Sizes Available	Type	Gases
173MFTA	MFTA	10,12	1 PIECE	ACETYLENE
173MFTF	MFTF	10,12	1 PIECE	NATURAL GAS/PROPANE

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HARRIS® Style Cutting Tips

Tip Series	Harris® Equivalent	Sizes Available	Type	Gases	Fits
472C	6290	000-6	1 PIECE	ACETYLENE	463 442
472CN	6290NX	000-6	2 PIECE	NATURAL GAS/PROPANE	443



472C



472CN

472C Series Cutting Tips For Oxy-Acetylene

GENTEC® Tip Size	Metal Thickness (mm)	Oxygen (psi)	Fuel Gas (psi)
000	0~4.76	15~20 (1.03~1.38)	5~15 (0.34~1.03)
00	4.76~9.53	20~25 (1.38~1.72)	5~15 (0.34~1.03)
0	9.53~15.88	35~40 (2.41~2.76)	5~15 (0.34~1.03)
1	15.88~25.4	35~40 (2.41~2.76)	5~15 (0.34~1.03)
2	25.4~50.8	40~45 (2.76~3.10)	5~15 (0.34~1.03)
3	50.8~76.2	45~50 (3.10~3.45)	5~15 (0.34~1.03)
4	76.2~152.4	50~75 (3.45~5.17)	10~15 (0.69~1.03)

472CN Series Cutting Tips For Oxy-Propane / Natural Gas

GENTEC® Tip Size	Metal Thickness (mm)	Oxygen (psi)	Fuel Gas (psi)
000	0~4.76	15~30 (1.03~2.07)	5~15 (0.34~1.03)
00	4.76~9.53	20~30 (1.38~2.07)	5~15 (0.34~1.03)
0	9.53~15.88	30~40 (2.07~2.76)	5~15 (0.34~1.03)
1	15.88~25.4	35~50 (2.41~3.45)	5~15 (0.34~1.03)
2	25.4~50.8	40~55 (2.76~3.79)	5~15 (0.34~1.03)
3	50.8~76.2	45~60 (3.10~4.14)	5~15 (0.34~1.03)
4	76.2~152.4	50~75 (3.45~5.17)	5~15 (0.34~1.03)
5	152.4~203.2	65~80 (4.48~5.52)	5~15 (0.34~1.03)
6	203.2~304.8	70~90 (4.83~6.21)	5~15 (0.34~1.03)

HARRIS® Machine Torch High Speed Cutting Tips

Tip Series	Harris® Equivalent	Sizes Available	Type	Gases	Fits
473CHN	6290-VVC	0-8	2 PIECE	NATURAL GAS/PROPANE	463 442 443



473CHN

473CHN Series High Speed Cutting Tips For Oxy-Propane / Natural Gas

GENTEC® Tip Size	Metal Thickness (mm)	Cutting Speed (mm / min)	Cutting Oxygen (psi (bar))	Cutting Oxygen (LPM)	Pre-Heat Oxygen (psi (bar))*	Pre-Heat Oxygen (LPM)	Fuel Gas (psi (bar))	Propane (LPM)	Natural Gas (LPM)
0	19.05	381	90 (6.21)	59.00	10~35 (0.69~2.41)	16.52	2 (0.14)	3.30	8.50
1	50.8	330.2	100 (6.89)	94.40	12~35 (0.83~2.41)	18.88	2 (0.14)	3.78	9.44
2	101.6	177.8	100 (6.89)	153.40	12~35 (0.83~2.41)	18.88	2 (0.14)	3.78	9.44
3	152.4	127	100 (6.89)	200.60	12~40 (0.83~2.76)	18.88	2 (0.14)	3.78	9.44
4	203.2	127	100 (6.89)	247.80	12~40 (0.83~2.76)	18.88	2 (0.14)	3.78	9.44
5	228.6	101.6	90 (6.21)	273.76	40 (2.76)	47.20	2 (0.14)	9.44	23.60
6	279.4	101.6	60 (4.14)	325.68	40 (2.76)	47.20	2 (0.14)	9.44	23.60
7	304.8	101.6	60 (4.14)	389.40	40 (2.76)	47.20	2 (0.14)	9.44	23.60
8	381	76.2	60 (4.14)	436.60	40 (2.76)	47.20	2 (0.14)	9.44	23.60

*Only applicable for three-hose machine torches

KOIKE® Style Cutting Tips



301



302



307



308



GENTEC® Tip Series	PROWELD Tip Series	KOIKE® Equivalent	Sizes Available	Type	Gases	Fits
301	PNME	106	00-8	2 PIECE	OXYGEN / LPG	363 563 MCT
302	ANME	102	00-8	1 PIECE	OXYGEN / ACETYLENE	
307		106D7	0-8	2 PIECE	OXYGEN / LPG	
308		102D7	0-8	1 PIECE	OXYGEN / ACETYLENE	

Angle: 30°

301 Series Cutting Tips for Oxy-LPG

Model Number	Metal Thickness (mm)	Cutting Speed (mm / min)	Oxygen Pressure psi (bar)	LPG Pressure psi (bar)
301-00	<3	710	29.0 (2.0)	2.18 (0.15)
301-0	3~6	610~710	43.5 (3.0)	2.18 (0.15)
301-1	6~13	510~610	50.8 (3.5)	2.18 (0.15)
301-2	13~25	460~510	50.8 (3.5)	2.18 (0.15)
301-3	25~40	360~460	50.8 (3.5)	2.18 (0.15)
301-4	40~75	200~360	65.3 (4.5)	2.90 (0.20)
301-5	75~100	150~200	72.5 (5.0)	2.90 (0.20)
301-6	100~200	100~150	80.0 (5.5)	4.35 (0.30)
301-7	200~250	75~100	80.0 (5.5)	5.08 (0.35)
301-8	250~300	70~80	80.0 (5.5)	5.80 (0.40)
301-9	300~350	60~70	100 (7.0)	5.80 (0.40)
301-10	350~400	60~70	100 (7.0)	5.80 (0.40)

302 Series Cutting Tips for Oxy-Acetylene

Model Number	Metal Thickness (mm)	Cutting Speed (mm / min)	Oxygen Pressure psi (bar)	Acetylene Pressure psi (bar)
302-00	<5	680	21.7 (1.5)	2.90 (0.20)
302-0	5~10	560~680	29.0 (2.0)	2.90 (0.20)
302-1	10~15	480~560	36.3 (2.5)	2.90 (0.20)
302-2	15~30	400~480	43.5 (3.0)	2.90 (0.20)
302-3	30~40	350~400	43.5 (3.0)	2.90 (0.20)
302-4	40~50	330~350	50.8 (3.5)	3.63 (0.25)
302-5	50~100	200~330	58.0 (4.0)	4.35 (0.30)
302-6	100~150	150~200	58.0 (4.0)	5.08 (0.35)
302-7	150~200	100~150	65.3 (4.5)	5.80 (0.40)
302-8	200~300	75~100	65 (4.5)	5.80 (0.40)

307 Series High Speed Cutting Tips for Oxy-LPG

Model Number	Metal Thickness (mm)	Cutting Speed (mm / min)	Oxygen Pressure psi (bar)	LPG Pressure psi (bar)
307-0	5~10	800~900	100 (7.0)	4.35 (0.30)
307-1	10~20	700~800	100 (7.0)	4.35 (0.30)
307-2	20~40	450~600	100 (7.0)	4.35 (0.30)
307-3	40~60	400~450	100 (7.0)	4.35 (0.30)
307-4	60~80	340~400	100 (7.0)	5.08 (0.35)
307-5	80~100	280~320	100 (7.0)	5.08 (0.35)
307-6	100~150	200~280	100 (7.0)	5.08 (0.35)
307-7	150~250	120~180	100 (7.0)	5.80 (0.40)
307-8	250~300	90~120	100 (7.0)	5.80 (0.40)

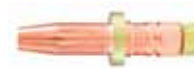
308 Series High Speed Cutting Tips for Oxy-Acetylene

Model Number	Metal Thickness (mm)	Cutting Speed (mm / min)	Oxygen Pressure psi (bar)	Acetylene Pressure psi (bar)
308-0	5~10	800~900	100 (7.0)	4.35 (0.30)
308-1	10~20	700~800	100 (7.0)	4.35 (0.30)
308-2	20~40	450~600	100 (7.0)	4.35 (0.30)
308-3	40~60	400~450	100 (7.0)	4.35 (0.30)
308-4	60~80	340~400	100 (7.0)	5.08 (0.35)
308-5	80~100	280~320	100 (7.0)	5.08 (0.35)
308-6	100~150	200~280	100 (7.0)	5.08 (0.35)
308-7	150~250	120~180	100 (7.0)	5.80 (0.40)
308-8	250~300	90~120	100 (7.0)	5.80 (0.40)

SMITH® Style Cutting Tips

Tip Series	Smith® Equivalent	Sizes Available	Type	Gases
572C	MC12	0-3	1 PIECE	ACETYLENE
572CN	MC40	1, 2	2 PIECE	NATURAL GAS/PROPANE
573C*	SC12	1, 2	1 PIECE	ACETYLENE

* 573C Series can also be used on machine torch



572C



573C

572C Oxy-Acetylene Cutting Tips

Tip Size	Metal Thickness	Oxygen (Psi)	Oxygen (SCFH)	Fuel Gas (Psi)	Fuel Gas (SCFH)
0	1/4"	35	47	10	6
0	3/8"	40	55	10	6
1	1/2"	45	85	10	7
1	5/8"	50	90	10	7
2	3/4"	50	120	10	9
2	1"	55	130	10	9
3	1-1/2"	55	180	10	10
3	2"	60	195	10	10

572CN Oxy-Propane/Natural Gas Cutting Tips

Tip Size	Metal Thickness	Oxygen (Psi)	Oxygen (SCFH)	Fuel Gas (Psi)	Fuel Gas (SCFH)
1	1/2"	45	110	10	7
1	5/8"	50	115	10	7
2	3/4"	50	140	10	7
2	1"	55	155	10	7
2	1-1/4"	60	170	10	7

*Only applicable for three-hose machine torches

573C Oxy-Acetylene Gas Cutting Tips

Tip Size	Metal Thickness	Cutting Speed (IN/MIN)	Oxygen (Psi)	Oxygen (SCFH)	Acetylene (Psi)	Acetylene (SCFH)
1	1/2"	19	35	85	10	10
1	5/8"	17	40	100	10	10
2	3/4"	16	35	115	10	11
2	1"	14	40	130	10	11
2	1-1/4"	13	50	150	10	11

ESAB®/ PUROX® Style Cutting Tips

Tip Series	ESAB/Purox® Equivalent	Sizes Available	Type	Gases
772C	4202/16K	2, 4, 6	1 PIECE	ACETYLENE



772C

772C Oxy-Acetylene Gas Cutting Tips

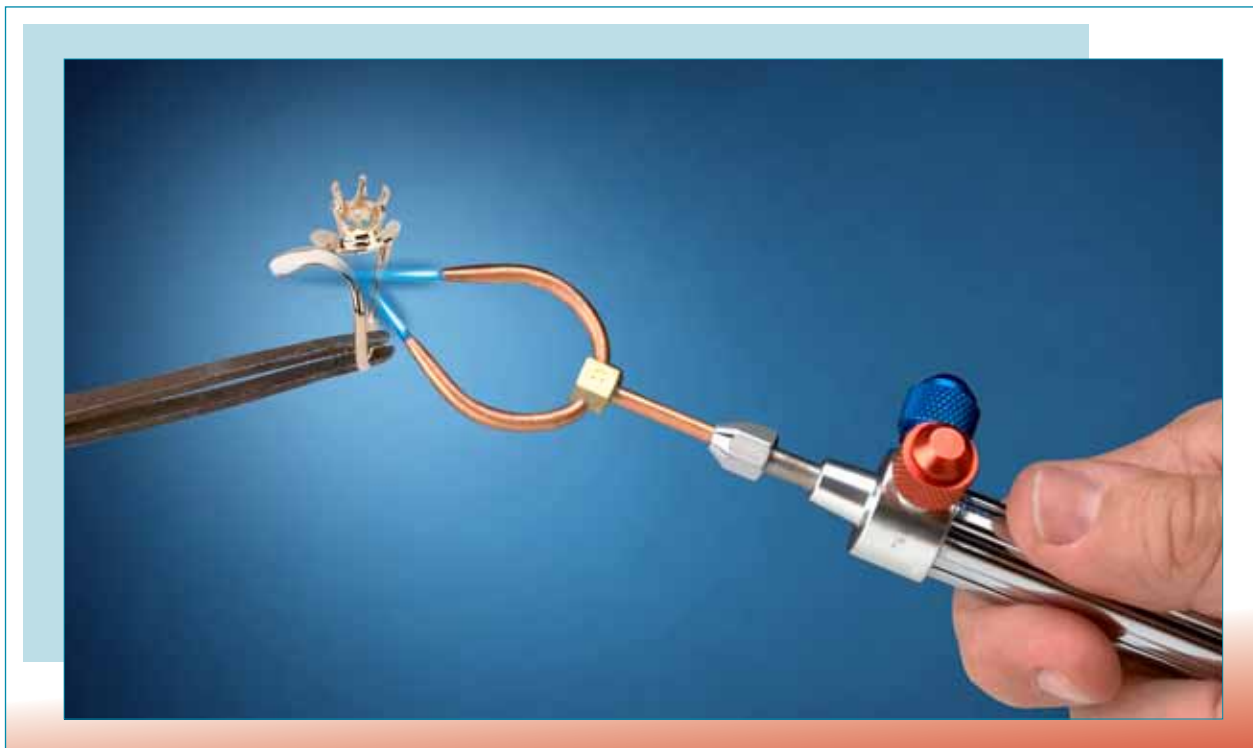
Tip Size	Metal Thickness	Cutting Speed (IN/MIN)	Oxygen (Psi)	Oxygen (SCFH)	Acetylene (Psi)	Acetylene (SCFH)
2	5/8"	16/20	38/45	75/85	5/10	10/12
2	3/4"	14/18	23/28	95/100	5/10	12/14
2	1"	13/15	30/35	120/125	5/10	14/16
2	1-1/2"	11/13	45/56	165/175	5/10	16/20
4	2"	10/12	30/38	195/200	5/10	18/20
4	3"	9/11	40/48	230/240	5/10	18/22
4	4"	8/10	60/73	300/325	5/12	21/25
6	5"	7/9	58/62	350/380	7/12	20/25
6	6"	6/8	67/73	400/460	7/12	25/30

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Craft • Hobby • Jewelry

GENTEC® lightweight and durable oxy-fuel Small Torch™ provides precision flame adjustment and control for soldering and brazing jobs on small parts or in very tight spaces. The small-size, chrome-plated brass torch handle, with stainless steel internal tubing and the small copper tips, provides the durability one needs. The 1/8" I.D. strong and flexible color-coded (green for oxygen and red for fuel gas) twin hoses are easy to maneuver. The Small Torch™ is perfect for hobby, craft, glass blowing, electronic repair and manufacturing. It is also good for light duty metal sculpture and HVAC/R repair.

- The Small Torch Kit™ is available with theft deterrent point-of-purchase display packaging
- Lightweight durable construction with chrome-plated solid brass body and stainless steel inner gas tubes
- Easy manipulation in very tight spaces
- Designed to braze and solder the smallest of materials
- Can melt up to 3 oz of silver and weld up to 5/32" thick steel
- Oxy-Acetylene and Oxy-Fuel Kits
- Provides a stable and precise concentrated feather flame up to 6000° F
- Oxy-Fuel Kit (KSTP14-TSP) is available for use with disposable oxygen and 1 lb Propane / MAPP® gas cylinders
- Durable and Flexible hoses with "B" connections ("A" connection adapters are available)
- SMITH EQUIPMENT® The Little Torch™ compatible



SMITH EQUIPMENT® and The Little Torch™ are registered trademarks of Illinois Tool Works Inc. which is not associated with Genstar Technologies Co., Inc.

Oxy-Acetylene & Oxy-Fuel Anti-Theft Packaging Kits with Cylinders



KSTA16TC-H12SP

* Kits include MC Tank Wrench: 27-0005
 ** Check Valve model number: 24-CV9PR (pair)
 *** Use with Disposable Cylinders

Model Number	Gas Service	Torch Handle	Tips	Hoses	Oxygen Regulator	Fuel Regulator	Cylinder Stand	Cylinder Oxygen / Fuel
KSTA16-TCSP*	ACETYLENE	10ST	10STP-3~7	HST18-6 w/Check Valves**	710X-80	710Y-15	CRT10	CY20-540 / CY10-MC
KSTA16TC-H12SP*	ACETYLENE	10ST	10STP-3~7	HST18-12 w/Check Valves**	710X-80	710Y-15	CRT10	
KSTP16TC-H12SP*	PROPANE	10ST	10STP-3~7	HST18-12 w/24-CV9RO Check Valve	710X-80	GRST-LP***	CRT10	CY20-540 / N/A

Oxy-Acetylene & Oxy-Fuel Kits



KSTA06-H12SP



KSTA16-H12SP

Model Number	Gas Service	Torch Handle	Tips	Hoses	Oxygen Regulator	Fuel Regulator	Cylinder Stand	B to A Hose Adapters
KSTA04SP	ACET./PROP./MAPP®	10ST	10STP-4	HST18-06	N/A	N/A	N/A	26-0105/26-0106
KSTA06SP	ACETYLENE	10ST	10STP-2~6	HST18-06	N/A	N/A	N/A	26-0105/26-0106
KSTA06-H12SP	ACETYLENE	10ST	10STP-2~6	HST18-12	N/A	N/A	N/A	26-0105/26-0106
KSTP06-H12SP	PROPANE/MAPP®	10ST	10STP-3~7	HST18-12	N/A	N/A	N/A	26-0105/26-0106
KSTP14-TSP	PROPANE/MAPP®	10ST	10STP-4	HST18-06	GRST-X**	GRST-LP**	CRTST	N/A
KSTA16SP	ACETYLENE	10ST	10STP-2~6	HST18-06	710X-80	710Y-15	N/A	N/A
KSTA16-BSP	ACETYLENE	10ST	10STP-2~6	HST18-06	710X-80	710Y-15-5	N/A	N/A
KSTA16-H12SP	ACETYLENE	10ST	10STP-2~6	HST18-12	710X-80	710Y-15	N/A	N/A
KSTA16B-H12SP	ACETYLENE	10ST	10STP-2~6	HST18-12	710X-80	710Y-15-5	N/A	N/A
KSTP16SP	PROPANE/MAPP®	10ST	10STP-3~7	HST18-06	710X-80	710F-80	N/A	N/A
KSTP16-H12SP	PROPANE/MAPP®	10ST	10STP-3~7	HST18-12	710X-80	710F-80	N/A	N/A

**Use with Disposable Cylinders

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SMALL TORCH™ COMPONENTS

Gas Welding & Cutting Apparatus

Compressed Gas Regulators

To order skin package, add "SP" after the model number Example: GRST-XSP

Model Number	Gas Service	Inlet Connection	Outlet Connection
GRST-X*	OXYGEN	CGA 601	9/16"-18RH(M)
GRST-LP*	PROPANE/MAPP®	CGA 600	9/16"-18LH(M)
710X-80	OXYGEN	CGA 540 REAR	9/16"-24RH(M)
710X-80-A	OXYGEN	CGA 540 REAR	3/8"-18RH(M)
710Y-15-5	ACETYLENE	CGA 520 REAR	9/16"-18LH(M)
710Y-15	ACETYLENE	CGA 200 "MC" REAR	9/16"-18LH(M)
710F-80	PROPANE/MAPP®	CGA 510 REAR	9/16"-18LH(M)

*Use with Disposable Cylinders



GRST-X



710Y-15



710X-80

Replacement Hoses (Include Ferrules)

Model Number	Gas Service	Dimension	Connection
HST18-06	OXY/FUEL(TWIN)	1/8"x6'	9/16"-18RH/LH(F)
HST18-12	OXY/FUEL(TWIN)	1/8"x12'	9/16"-18RH/LH(F)



HST18-06

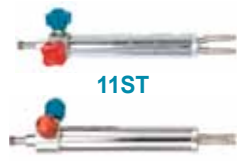
Small Torch Stand



CRTST

Oxy-Acetylene / Oxy-Fuel Torch Handle - 11ST & 10ST Series

Model Number	Gas Service	Torch Handle & Hose
11ST	OXY-ACET./FUEL	TORCH HANDLE (STAR KNOB) ONLY
10ST	OXY-ACET./FUEL	TORCH HANDLE ONLY
10ST-H06	OXY-ACET./FUEL	TORCH HANDLE w/6' HOSE
10ST-H12	OXY-ACET./FUEL	TORCH HANDLE w/12' HOSE



11ST

10ST



10ST with Hose

Oxy-Acetylene / Oxy-Fuel Tips

▣ CURVED TIPS

#2 and #3 Tips fitted with synthetic sapphire to assure superior flame control



10STP

▣ CURVED TIPS COMBO PACK (SKIN PACKAGE)

▣ TWIN TIPS



10STP-3C

Model Number	Size	Gas Service	Oxygen (psi)	Fuel Gas (psi)
10STP-2	#2	OXY-ACETYLENE	2	2
10STP-3	#3	OXY-ACETYLENE PROPANE MAPP® PROPYLENE	3	3
10STP-4	#4		4	4
10STP-5	#5		6	6
10STP-6	#6		6	6
10STP-7	#7		8	8

Model Number	Size
K10STP06SP	2, 3, 4, 5, 6
K10STP07SP	3, 4, 5, 6, 7

Model Number	Size	Gas Service	Oxygen (psi)	Fuel Gas (psi)
10STP-3C	3	OXY- ACETYLENE/ PROPANE/ MAPP®	4	4
10STP-4C	4		4	4
10STP-5C	5		6	6

10STP-7	
10STP-6	
10STP-5	
10STP-4	
10STP-3	
10STP-2	
Approx. Feather Flame Characteristics	

Multi-Flame Rosebud Heating Tips

Model Number	Length	Gas Service	Oxygen (psi)	Fuel Gas (psi)
10STP-HF6	6"	OXY-PROPANE/MAPP®	14	10
10STP-HY6	6"	OXY-ACETYLENE	14	10



10STP-HY6

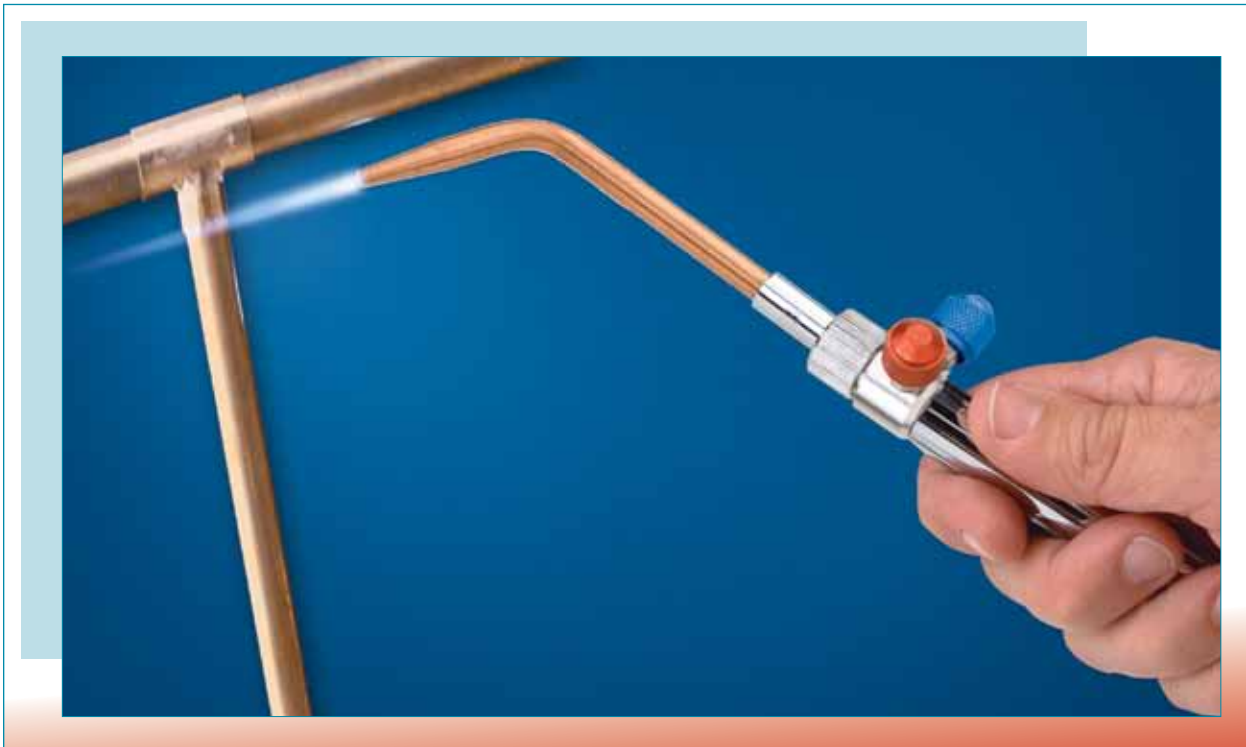


10STP-HF6

HVAC & Plumbing

GENTEC® COMPACT TORCH™ gets you into tight spaces and allows you to do more precise work than any other torch on the market! The Compact Torch's small size, chrome-plated brass torch handle with stainless steel internal tubing and copper tips provides the durability one needs. The easily maneuverable 12-foot extra flexible twin hoses have "B" fittings for larger regulator connections. The Compact Torch™ is perfect for soldering and brazing jobs in HVAC & Plumbing industries. "A" fitting adaptors for light/medium duty regulators are included with Kits without regulators. Optional torch tips can be used for Oxy-Acetylene, Oxy-Propane or Oxy-MAPP® gases.

- Lightweight durable construction with chrome-plated brass body and stainless steel inner gas tubes
- Easy manipulation in tight spaces
- Tips have double o-ring seats to ensure leak-proof connections
- Designed to braze and solder the smallest jobs up to 1-1/4" copper tubing
- Oxy-Acetylene and Oxy-Fuel Kits
- Durable and extra flexible hoses with "B" connections ("A" adaptors included in Kits without regulators)



COMPACT TORCH™ OUTFITS

Gas Welding & Cutting Apparatus

Oxy-Acetylene Anti-Theft Packaging Kit with Cylinders

Model Number	KCMA16TCSP
GAS SERVICE:	OXY-ACETYLENE
TORCH HANDLE:	10CM
TIPS:	10CMP-GMTT 10CMP-GMTR 10CMP-4 10CMP-6
TWIN HOSES:	HST18-12 (12')
OXYGEN REGULATOR*:	710X-80G
ACETYLENE REGULATOR*:	710Y-15G
OXYGEN CYLINDER:	CY20-540
ACETYLENE CYLINDER:	CY10-MC
TANK WRENCH:	27-0005
CYLINDER CARRIER:	CRT10
CHECK VALVES:	24-CV9PR

*This regulator comes with gauge guards



KCMA16TCSP

Oxy-Acetylene & Oxy-Fuel Kits



KCMA16SP



KCMA26SP



KCMA04SP

Model Number	Gas Service	Torch Handle	Tips	Hose	Oxygen Regulator	Fuel Regulator	B to A Hose Adapters
KCMA04SP	ACETYLENE	10CM	10CMP-4	HST18-12	N/A	N/A	26-0105/26-0106
KCMA26SP	ACETYLENE	10CM	10CMP-GMTT, 10CMP-GMTR, 10CMP-4, 10CMP-6	HST18-12	N/A	N/A	26-0105/26-0106
KCMA16-BSP	ACETYLENE	10CM	10CMP-4	HST18-12	710X-80	710Y-15-5	N/A
KCMA16SP	ACETYLENE	10CM	10CMP-GMTT, 10CMP-GMTR, 10CMP-4, 10CMP-6	HST18-12	710X-80	710Y-15	N/A
KCMP16SP	PROPANE/MAPP®	10CM	10CMP-GMTT, 10CMP-GMTR, 10 CMP-3, 10CMP-7	HST18-12	710X-80	710F-80	N/A

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COMPACT TORCH™ COMPONENTS

Gas Welding & Cutting Apparatus

Compressed Gas Regulators

Model Number	Gas Service	Inlet Connection	Outlet Connection
710X-80	OXYGEN	CGA540 REAR	9/16"-18RH(M)
710X-80G			
710Y-15-5	ACETYLENE	CGA520 REAR	9/16"-18LH(M)
710Y-15	ACETYLENE	CGA200 "MC" REAR	9/16"-18LH(M)
710Y-15G			
710F-80	PROPANE/MAPP®	CGA510 REAR	9/16"-18LH(M)



710Y-15



710X-80



710Y-15G



710X-80G

Replacement Twin Hoses (Include Ferrules)

Model Number	Gas Service	Dimension	Connection
HST18-12	OXY/FUEL(TWIN)	1/8"x12'	9/16"-18RH/LH(M)



HST18-12

Oxy-Acetylene/Oxy-Fuel Torch Handle - 10CM Series

Model Number	Gas Service	Description
10CM	OXY-ACET./FUEL	TORCH HANDLE ONLY
10CM-H12	OXY-ACET./FUEL	TORCH HANDLE w/12' HOSE



10CM-H12



10CM

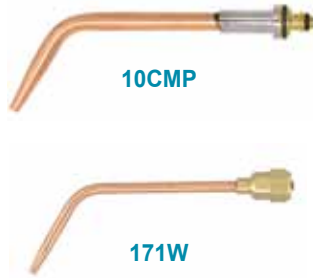
Torch Handle Components - Torch Valve Stems

Model Number	Description
T10-82B	GREEN VALVE (OXYGEN)
T10-83B	RED VALVE (FUEL)

COMPACT TORCH™ COMPONENTS

Gas Welding & Cutting Apparatus

Oxy-Acetylene/Oxy-Fuel Tips

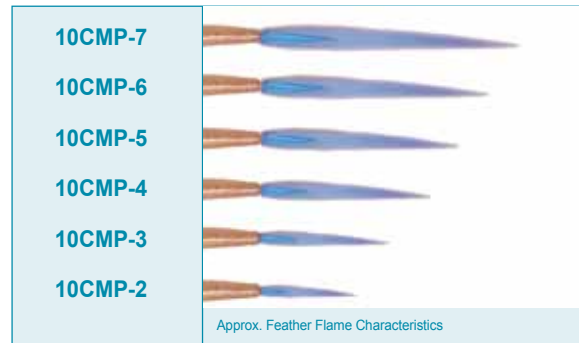


Model Number	Size	Gas Service	Oxygen (psi)	Fuel Gas (psi)
10CMP-2	2	OXY-ACETYLENE	25	4
10CMP-3	3	OXY-ACETYLENE/ PROPANE/MAPP®	25	4
10CMP-4	4		28	4.5
10CMP-5	5		28	4.5
10CMP-6	6		30	5
10CMP-7	7		30	6
171W-000	000	OXY-ACETYLENE		
171W-00	00			
171W-0	0			

Brazing Tip Comparison Chart

Model Number	Brazing Tip Capacity For Copper	W-J Comparison
10CMP-2	1/8"-1/4" (3-6mm)	N/A
10CMP-3	1/8" - 1/2" (3-12mm)	000
10CMP-4	1/8" - 3/4" (3-19mm)	00
10CMP-5	1/4" - 7/8" (6-23mm)	0
10CMP-6	1/4" - 1" (6-26mm)	1
10CMP-7	3/8" - 1 1/8" (10-29mm)	2
10CMP-GMTT	1/4" - 1" (6-26mm)	N/A
10CMP-GMTR	3/8" - 1 1/4" (10-32mm)	N/A

Model Number	Oxygen (psi)	Fuel Gas (psi)	Fuel Gas (SCFH)	Brazing Capacity For Copper
10CMP-GMTT	5	5	4/6	1"
10CMP-GMTR	5	5	4/8	1-1/2"



Multi-Flame Rosebud Heating Tip

Model Number	Gas Service
10CMP-GMTR	OXY-ACETYLENE



Twin Tip

Model Number	Gas Service
10CMP-GMTT	OXY-ACET./PROPANE/MAPP®



Tip Combo Pack (Skin Package)

Model Number	Tips	Gas Service
10CMP-C3SP	10CMP-GMTT (Twin Tip)	OXY-PROPANE/MAPP®
	10CMP-GMTR (Multi-Flame)	
	10CMP-3 (Curved Tip #3)	
	10 CMP-7 (Curved Tip #7)	
10CMP-C4SP	10CMP-GMTT (Twin Tip)	OXY-ACETYLENE
	10CMP-GMTR (Multi-Flame)	
	10CMP-4 (Curved Tip #4)	
	10 CMP-6 (Curved Tip #6)	

Replacement O-Rings for 10CMP

Model Number	Description
T110-26	LARGE O-RING
T110-27	SMALL O-RING

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WBK-500 MUL-T-TORCH™ Air Propane Torch Outfit



- Designed for heavy-duty outdoor applications
- Large volume of heat (up to 500,000 BTUs) for weed burning, ice melting, asphalt removal, and many other applications
- For use with standard 20lb bar-b-que and larger liquid propane tanks
- All steel torch handle and torch head
- Excess flow safety valve shuts off flow when hose is accidentally cut or melted
- 10' durable hose and single-flint striker are included in the outfit
- Brass control knob will not freeze up in cold weather
- For use with propane only

KIT COMPONENTS

Model Number	Description
WB-500T	500,000 BTU REPLACEMENT TORCH WITH BRASS VALVE
HWB-10CV	10' REPLACEMENT HOSE WITH 24-CVWB CHECK VALVE
24-CVWB	EXCESS FLOW SAFETY VALVE WITH P.O.L. CONNECTION

COMPRESSED GAS REGULATORS

Compressed Gas Regulator Overview

Gas Welding & Cutting Apparatus

Compressed Gas Regulators

GENTEC® Compressed gas regulators are manufactured using state-of-the-art equipment. They are produced, assembled, and tested by an experienced, proud, and dedicated work force that is committed to the highest standards of product integrity. They are suitable for a variety of gas pressure reduction and control requirements such as welding, cutting, heating, and brazing.

GENTEC® flow gauge and flowmeter regulators provide accurate regulation and measurement of gas flow for use in commercial, industrial, welding, and laboratory applications. Models are available with preset and adjustable flow rates.

PRODUCT CATEGORY

- Cylinder Regulators
- Liquid Cylinder Regulators
- Station Regulators
- Pipeline Regulators
- Manifold Regulators
- Flow Gauge Regulators
- Compact Pre-Set Gas Regulators
- Gas Saving Flowmeter Regulators
- Flowmeter Regulators
- Balloon Filler Regulators



- AIR
- OXYGEN
- ACETYLENE
- METHANE
- PROPANE
- HYDROGEN
- BUTANE
- NITROGEN
- ARGON
- CO2
- HELIUM
- OTHER GASES

Regulator Questionnaire

GENTEC® offers many configurations to suite specific regional standards. The Questionnaire below helps select the proper accessories.

Regulator Type: Single Stage Dual Stage

Gas Service: Oxygen LP Gas Acetylene Inert Gas (Ar, He, N2) Hydrogen Carbon Dioxide Other _____

Maximum Inlet Pressure: _____ psi, _____ kPa, _____ bar

Maximum Delivery Pressure: _____ psi, _____ kPa, _____ bar

Flow Rate Required: _____ SCFH, _____ SCMh, _____ LPM

Temperature Requirement: _____ °F, _____ °C

Pressure Gauge

psi / kPa psi / bar

Others: _____

Lens

Twist off lens Fixed lens

Inlet / Outlet Connection

CGA _____ (USA Standard)

BS _____ (British Standard)

DIN _____ (German Standard)

OTHER CONNECTIONS: _____

Handle/ Knob

T-handle Non-removable Knob

Regulator Standard

ISO 2503 UL

CGA E-4 AS 4267

Others: _____

Outlet Thread

BSP NPT

Others: _____

Size of thread: _____

Gas Color Code

Oxygen: Blue Green

LP Gas: Red Orange

Argon: Black Blue

Others: _____

591 SERIES

High Pressure Piston Regulators

Gas Welding & Cutting Apparatus

591 Series High Pressure Piston Regulators

Model 591 Series High Pressure Piston Regulators feature a reliable piston design for precise gas control at high inlet and delivery pressures rating up to 4500 psi. Like all GENTEC® quality products, the 591 Series provides superior performance and safety features.



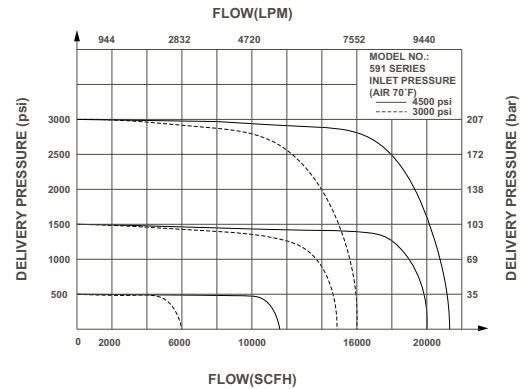
Pressure gauges come standard with dual scale psi/kPa units of measure. Alternatively psi/bar can be ordered.

591

Features

- Piston-type construction
- Body and housing cap are machined from class "A" brass
- Delrin-cap bushing for smooth adjustments
- Sintered bronze inlet filter
- 1/4" Stainless steel Compression-Tube Fitting (GENLOK™) Outlet
- 2-1/2" gauges
- Weight: 4 lbs (1.81 kg)
- Conforms to CGA E-4 standard for gas pressure regulators

Flow Chart



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection*	Outlet Connection
591X-750	OXYGEN	3000 psi (207 bar)	50~750 psi (3.5~52 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 1000 psi (70 bar)	BS3, G 5/8"-RH(M)	1/4" SS COMP. TUBE FITTING
591X-1500			100~1500 psi (7~103 bar)		2-1/2", 2000 psi (140 bar)		
591X-3000			200~3000 psi (14~207 bar)		2-1/2", 4000 psi (280 bar)		
591IN-750	INERT GAS (Ar, He, N ₂)	3000 psi (207 bar)	50~750 psi (3.5~52 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 1000 psi (70 bar)	BS3, G 5/8"-RH(M)	1/4" SS COMP. TUBE FITTING
591IN-1500			100~1500 psi (7~103 bar)		2-1/2", 2000 psi (140 bar)		
591IN-3000			200~3000 psi (14~207 bar)		2-1/2", 4000 psi (280 bar)		
591Q-1500	AIR	5500 psi (380 bar)	100~1500 psi (7~104 bar)	2-1/2", 6000 psi (420 bar)	2-1/2", 2000 psi (140 bar)	BS3, 5/8"-RH(M)	1/4" SS COMP. TUBE FITTING
591Q-3000			200~3000 psi (14~207 bar)		2-1/2", 4000 psi (280 bar)		
591Q-5500			300~4500 psi (21~310 bar)		2-1/2", 6000 psi (420 bar)		
591H-750	HYDROGEN METHANE	3000 psi (207 bar)	50~750 psi (3.5~52 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 1000 psi (70 bar)	BS4, G 5/8"-LH(M)	1/4" SS COMP. TUBE FITTING
591H-1500			100~1500 psi (7~103 bar)		2-1/2", 2000 psi (140 bar)		
591H-3000			200~3000 psi (14~207 bar)		2-1/2", 4000 psi (280 bar)		

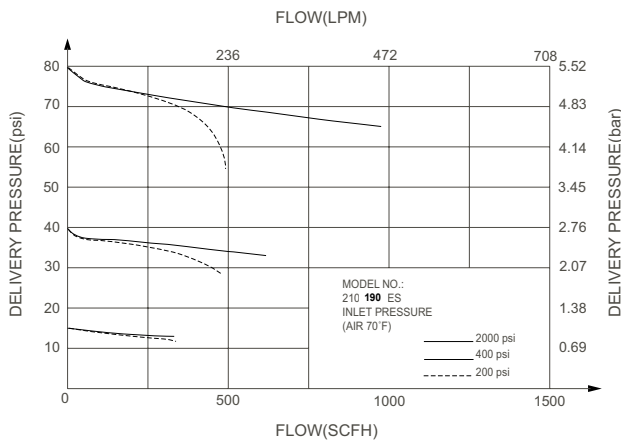
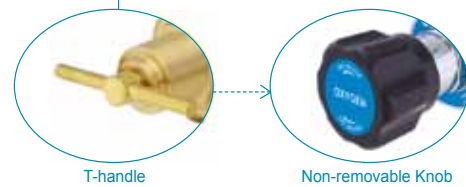
*Inlet connection and outlet connections can be fitted according to country specific standards. Please confirm when ordering.

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

190 Series Regulators

With a lightweight, compact, and single-stage design, they are ideal for light to medium duty gas welding, cutting, and heating applications.

- Body is machined from class “A” brass
- Chrome-plated housing cap
- Internal pressure relief valve
- Sintered bronze inlet filter
- Stem-type seat assembly for more reliable seating
- 2” gauges for easy reading
- 1-1/4” diaphragm
- Weight: 2 lbs 1 oz (0.48 kg)
- UL listed



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
190F-80	L.P. GAS	400 psi (28 bar)	4-80 psi (0.28-5.5 bar)	2", 400 psi (28 bar)	2", 100 psi (7 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
190X-80	OXYGEN	3000 psi (207 bar)	4-80 psi (0.28-5.5 bar)	2", 4000 psi (280 bar)	2", 100 psi (7 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
190Y-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2", 4000 psi (280 bar)	2", 30 psi (2 bar), RL	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
190IN-80	INERT GAS (Ar, He, N ₂)	3000 psi (207 bar)	4-80 psi (0.28-5.5 bar)	2", 4000 psi (280 bar)	2", 100 psi (7 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
190IN-175			5-175 psi (0.35-12 bar)	2", 4000 psi (280 bar)	2", 300 psi (20 bar)		
190C-175	CARBON DIOXIDE	3000 psi (207 bar)	5-175 psi (0.35-12 bar)	2", 4000 psi (280 bar)	2", 300 psi (20 bar)	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)
190H-80	HYDROGEN METHANE	3000 psi (207 bar)	4-80 psi (0.28-5.5 bar)	2", 4000 psi (280 bar)	2", 100 psi (7 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

210 & 210Y1 SERIES

Light Duty Single Stage Regulators

Gas Welding & Cutting Apparatus

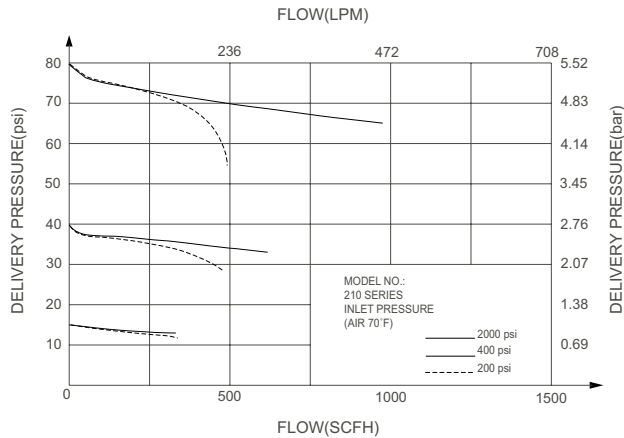
210 & 210Y1 Series Regulators

Featuring a compact rear entry design to meet the demands of special installation, these regulators are best for light to medium duty gas welding, cutting and heating applications, such as industrial maintenance, farm and shop repair, hobby, crafts and home care.

- Rear entry inlet construction
- Body is machined from class "A" brass
- Chrome-plated housing cap
- Internal pressure relief valve
- Sintered bronze inlet filter
- Stem-type seat assembly for more reliable seating
- Plastic adjustment knob for smooth "easy touch" pressure setting
- 2" gauges for easy reading. 210 Series has two gauges and 210Y1 Series has one gauge (inlet gauge) only
- 1-1/4" diaphragm
- Rubber gauge protectors are color coded: green for Oxygen (GP20X) and red for Acetylene (GP20Y)
- Weight: 2 lbs 3 oz (1 kg)
- UL Listed



210



210Y1

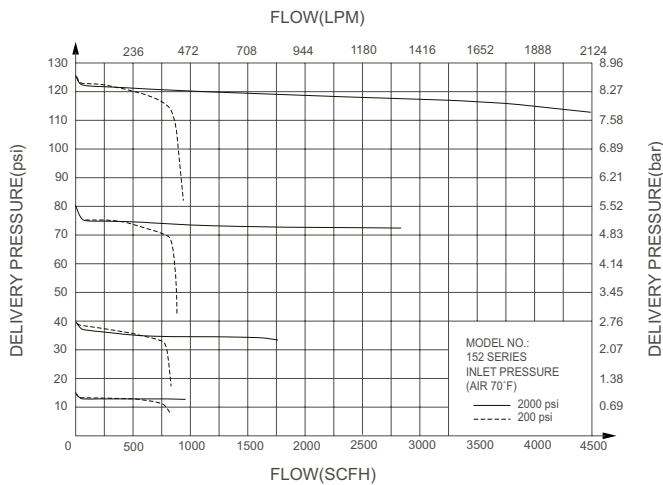
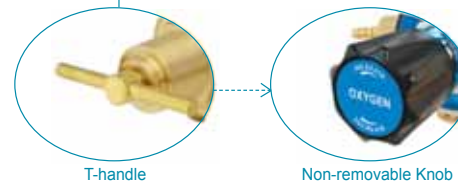
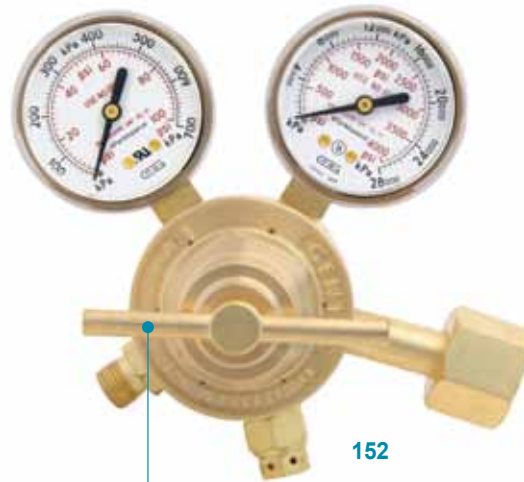
Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
210F-80	PROPANE	400 psi (28 bar)	4-80 psi (0.28-5.5 bar)	2", 400 psi (28 bar)	2", 100 psi (7 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
210X-80	OXYGEN	3000 psi (207 bar)	4-80 psi (0.28-5.5 bar)	2", 4000 psi (280 bar)	2", 100 psi (7 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
210Y-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2", 400 psi (28 bar)	2", 30 psi (2 bar), RL	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

152 Series Regulators

Designed for medium duty gas welding, cutting, and heating applications. These regulators are ideal for industrial applications, farm repairs and laboratory testing, etc.

- Forged brass body and housing cap
- Delrin-cap bushing for smooth adjustments
- Self re-seating external pressure relief valve on oxygen, inert gas, and air models
- Sintered bronze inlet filter
- Stem-type seat assembly for more reliable performance
- 2" gauges for easy reading
- 2" diaphragm
- Steel Gauge Protectors are color coded: green for Oxygen (GP21X) and red for Acetylene (GP21Y)
- Weight: 2 lbs 11 oz (1.2 kg)
- UL Listed



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
152F-80	L.P. GAS	400 psi (28 bar)	4-80 psi (0.28-5.5 bar)	2", 400 psi (28 bar)	2", 100 psi (7 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
152X-80	OXYGEN	3000 psi (207 bar)	4-80 psi (0.28-5.5 bar)	2", 4000 psi (280 bar)	2", 100 psi (7 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
152X-125	OXYGEN	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2", 4000 psi (280 bar)	2", 200 psi (14 bar)		
152Y-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2", 400 psi (28 bar)	2", 30 psi (2 bar), RL	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
152IN-125	INERT GAS (Ar, He, N ₂)	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2", 4000 psi (280 bar)	2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
152H-15	HYDROGEN METHANE	3000 psi (207 bar)	2-15 psi (0.14-1.03 bar)	2", 4000 psi (280 bar)	2", 30 psi (2 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
152H-40		3000 psi (207 bar)	2-40 psi (0.14-2.76 bar)	2", 4000 psi (280 bar)	2", 60 psi (4 bar)		
152H-125		3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2", 4000 psi (280 bar)	2", 200 psi (14 bar)		

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

452 SERIES

Medium to Heavy Duty Single Stage Regulators

Gas Welding & Cutting Apparatus

452 Series Regulators

Designed for medium to heavy duty gas welding, cutting, and heating applications.

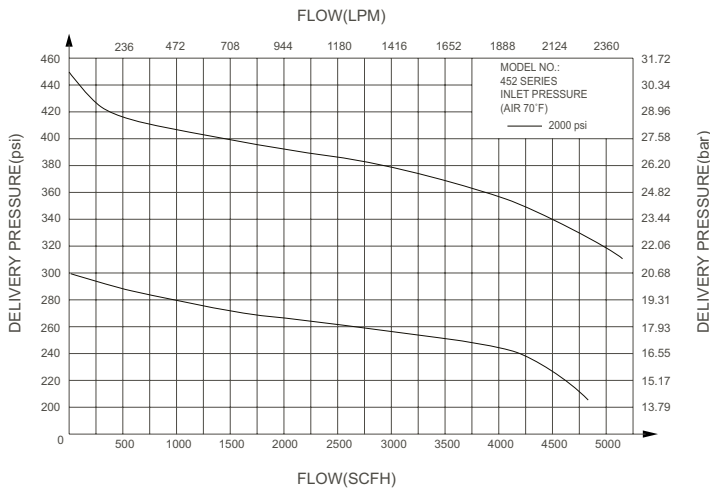
- 2" gauges for easy reading
- Stem-type seat assembly for more reliable performance
- Forged brass body
- Chrome-plated housing cap for fuel gas and oxygen models
- Self re-seating external pressure relief valve on oxygen, inert gas, CO2 and nitrogen models
- Sintered bronze inlet filter
- Weight: 3 lbs (1.36 kg)
- UL listed



452X



452Y



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
452F-40	L.P. GAS	400 psi (28 bar)	2-40 psi (0.14-2.76 bar)	2", 400 psi (28 bar)	2", 60 psi (4 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
452F-125			5-125 psi (0.35-8.6 bar)		2", 200 psi (14 bar)		
452X-80	OXYGEN	3000 psi (207 bar)	4-80 psi (0.28-5.5 bar)	2", 4000 psi (280 bar)	2", 100 psi (7 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
452X-175			5-175 psi (0.35-12 bar)		2", 300 psi (20 bar)		
452Y-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2", 400 psi (28 bar)	2", 30 psi (2 bar), RL	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
452C-175	CARBON DIOXIDE	3000 psi (207 bar)	5-175 psi (0.35-12 bar)	2", 4000 psi (280 bar)	2", 300 psi (20 bar)	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)
452C-300			20-300 psi (1.38-20.7 bar)		2", 400 psi (28 bar)		
452IN-80	INERT GASES (Ar, He) NITROGEN	3000 psi (207 bar)	4-80 psi (0.28-5.5 bar)	2", 4000 psi (280 bar)	2", 100 psi (7 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
452IN-175			5-175 psi (0.35-12 bar)		2", 300 psi (20 bar)		
452IN-300			20-300 psi (1.38-20.7 bar)		2", 400 psi (28 bar)		
452IN-450			30-450 psi (2.07-31 bar)		2", 600 psi (42 bar)		

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

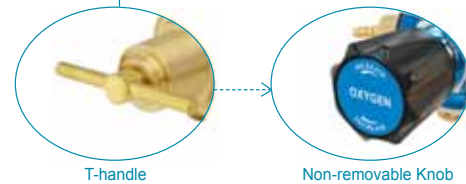
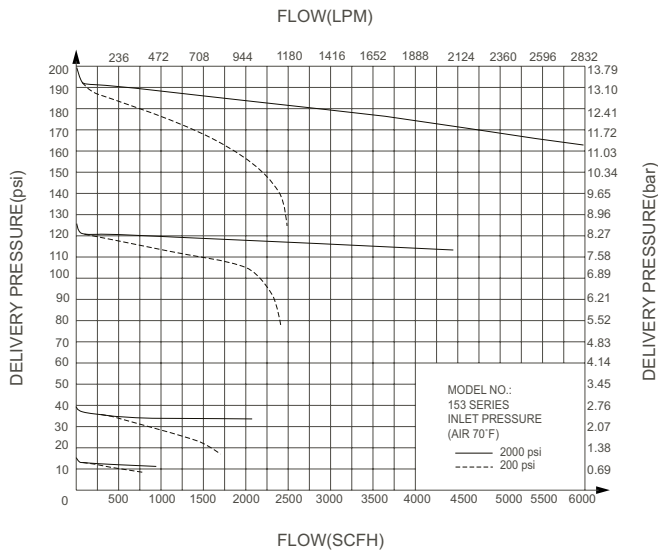
153 Series Single Stage Regulators

Designed for heavy duty gas welding, cutting, and heating applications. These regulators are ideal to use for steel fabrication, ship building, metallurgical and chemical industries.

- 2-1/2" gauges for easy reading
- 3-1/4" stainless steel diaphragm for accurate pressure delivery
- Delrin-cap bushing for smooth adjustments
- Stem-type seat assembly for more reliable performance
- Forged brass body and housing cap
- Self re-seating external pressure relief valve on oxygen, inert gas, air, CO₂, and hydrogen models
- Sintered bronze inlet filter
- Steel Gauge Protectors are color-coded: green for Oxygen (GP32X) and red for Acetylene (GP32Y) Models
- Weight: 4 lbs 13 oz (2.18 kg)
- UL listed



153



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
153F-125	L.P. GAS	400 psi (28 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 200 psi (14 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
153X-125	OXYGEN	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
153X-250			10-250 psi (0.69-17.2 bar)		2-1/2", 400 psi (28 bar)		
153Y-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 30 psi (2 bar), RL	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
153IN-125	INERT GAS (Ar, He, N ₂)	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
153IN-250			10-250 psi (0.69-17.2 bar)		2-1/2", 400 psi (28 bar)		
153C-125	CARBON DIOXIDE	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)
153C-200			10-250 psi (0.69-13.8 bar)		2-1/2", 400 psi (28 bar)		
153H-125	HYDROGEN METHANE	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
153H-200			10-200 psi (0.69-13.8 bar)		2-1/2", 400 psi (28 bar)		

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

155 SERIES

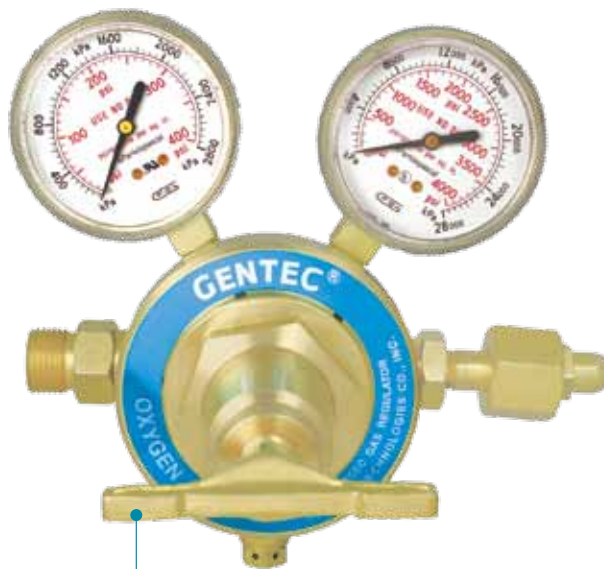
Extra Heavy Duty Single Stage Regulators

Gas Welding & Cutting Apparatus

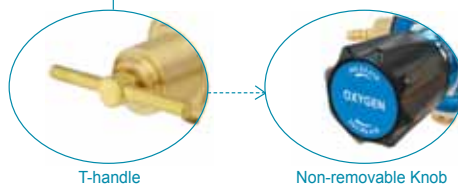
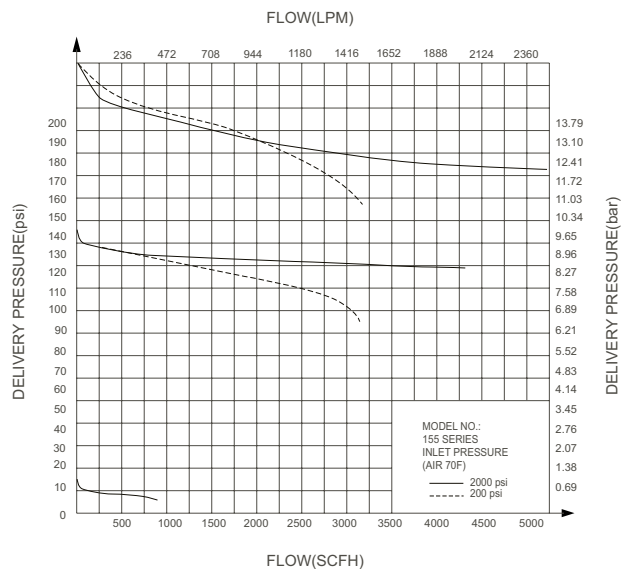
155 Series Single Stage Regulators

These extra heavy duty models are designed for heavy duty cutting, industrial applications, laboratory testing, manifold installations, etc.

- Single-stage construction
- Forged brass body and housing cap
- Delrin cap bushing for smooth adjustments
- Self re-seating external pressure relief valve on oxygen, inert gas, air, and hydrogen models
- Sintered bronze inlet filter
- 2-1/2" gauges for easy reading
- 3-1/4" diaphragm
- Weight: 7 lbs 10 oz (3.46 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



155



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
155F-125	L.P. GAS	400 psi (28 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 200 psi (14 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
155X-125	OXYGEN	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
155X-200			10-200 psi (0.69-13.8 bar)		2-1/2", 400 psi (28 bar)		
155Y-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 30 psi (2 bar), RL	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
155IN-125	INERT GAS (Ar, He, N ₂)	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
155IN-200			10-200 psi (0.69-13.8 bar)		2-1/2", 400 psi (28 bar)		
155H-200	HYDROGEN METHANE	3000 psi (207 bar)	10-200 psi (0.69-13.8 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 400 psi (28 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

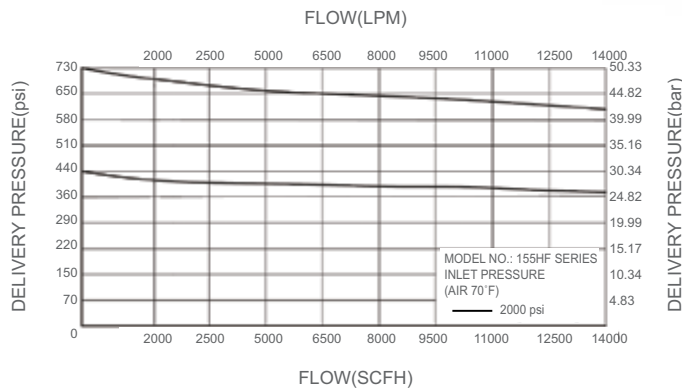
155HF Series Single Stage Regulators

These high pressure, high flow models are designed for heavy duty cutting, industrial applications, laboratory testing, manifold installations, etc.

- Single-stage construction
- Forged brass body and housing cap
- Delrin cap bushing for smooth adjustments
- Sintered bronze inlet filter
- Piston-type construction
- 2-1/2" gauges for easy reading
- Weight: 8 lbs 10 oz (3.91 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



155HF



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection*	Outlet Connection
155HFX-800	OXYGEN	3000 psi (207 bar)	500-800 psi (35-55 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 2000 psi (138 bar)	BS3, G 5/8"-RH(M)	G 3/8" - RH(M)
155HFIN-600	Ar, He, N ₂	3000 psi (207 bar)	500-800 psi (35-55 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 2000 psi (138 bar)	BS3, G 5/8"-RH(M)	G 3/8" - RH(M)

*Inlet connection and outlet connections can be fitted according to country specific standards. Please confirm when ordering.

156D SERIES

Combination Spring and Dome Loaded Regulators

Gas Welding & Cutting Apparatus

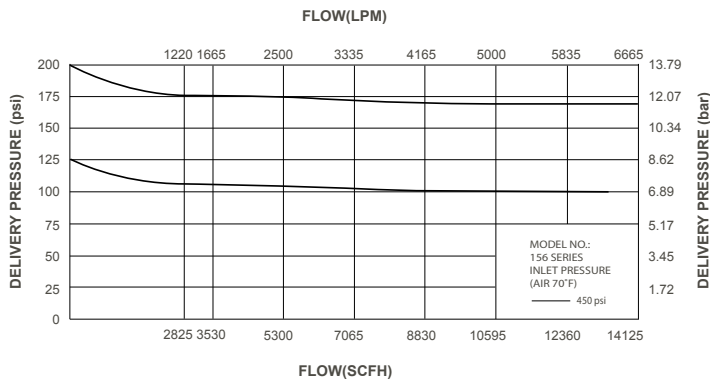
156D Series Combination Spring and Dome Loaded Regulators

These combination spring and dome loaded models are designed for high flow gas supply systems. With the combined spring and dome loading, the delivery pressure is very precise and the droop effect is minimized. Designed for high pressure and high flow applications.

- Suitable for high flow applications
- Dome loaded and spring loaded design
- Precise delivery pressure
- Up to 400 m³/h flowrate (14,125 SCFH)
- Brass body
- Weight: 15.7 lbs (7.12 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



156D



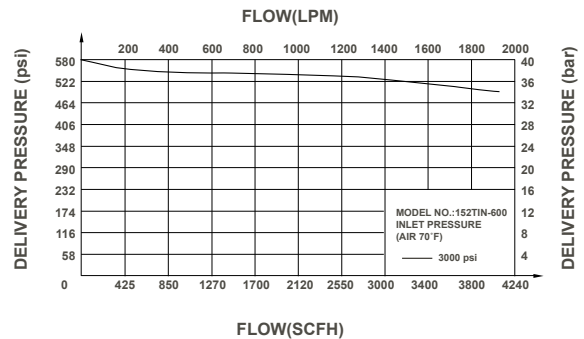
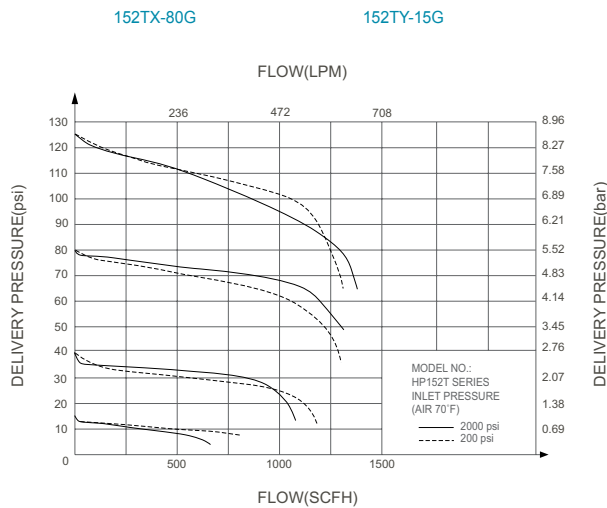
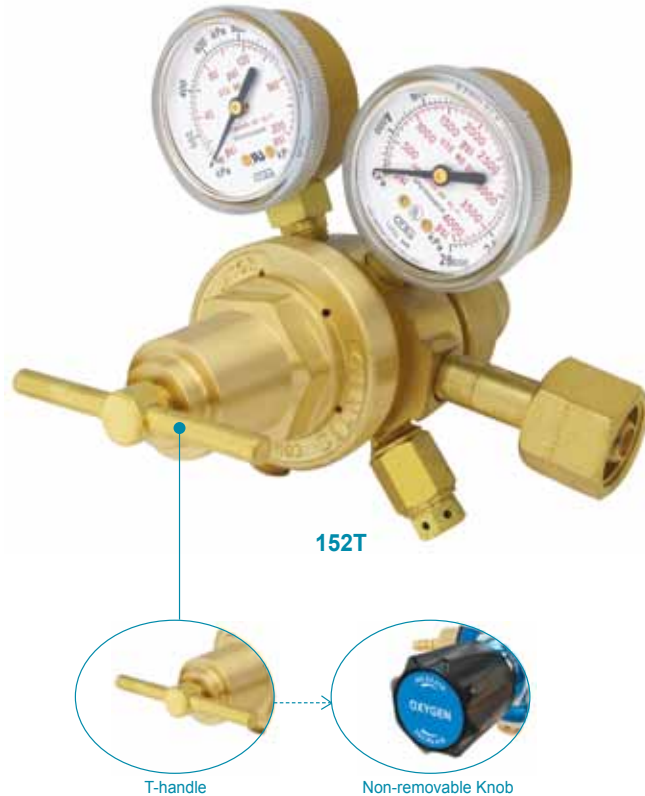
Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Connection	Outlet Connection
156DX-125	OXYGEN	3000 psi (207 bar)	0~125 psi (0~8.5 bar)	1" NPT(F)	1" NPT(F)
156DIN-125	Air, N ₂ , Inert Gas	3000 psi (207 bar)	0~125 psi (0~8.5 bar)	1" NPT(F)	1" NPT(F)
156DIN-450	Air, N ₂ , Inert Gas	3000 psi (207 bar)	0~450 psi (0~30 bar)	1" NPT(F)	1" NPT(F)
156DH-125	H ₂	3000 psi (207 bar)	0~125 psi (0~8.5 bar)	1" NPT(F)	1" NPT(F)
156DLX-125	OXYGEN	400 psi (28 bar)	0~125 psi (0~8.5 bar)	1" NPT(F)	1" NPT(F)
156DLIN-125	Air, N ₂ , Inert Gas	400 psi (28 bar)	0~125 psi (0~8.5 bar)	1" NPT(F)	1" NPT(F)
156DLH-125	H ₂	400 psi (28 bar)	0~125 psi (0~8.5 bar)	1" NPT(F)	1" NPT(F)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

152T Series Two Stage Regulators

Designed for medium duty gas welding, cutting, and heating applications. These two-stage regulators provide precise and constant delivery over a wide range of inlet pressures. Ideal for laboratory, welding, cutting, and many other applications.

- Forged brass body and housing cap
- Delrin cap bushing for smooth adjustments
- Self re-seating external pressure relief valve
- Sintered bronze inlet filter
- Stem-type seat assembly for more reliable performance
- 2" gauges for easy reading
- 1-1/4" & 2" diaphragms
- Steel Gauge Protectors are color-coded: green for Oxygen (GP21X) and red for Acetylene (GP21Y)
- Weight: 4 lbs 10 oz (2.1 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
152TF-80	L.P. GAS	400 psi (28 bar)	4-80 psi (0.28-5.5 bar)	2", 400 psi (28 bar)	2", 100 psi (7 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
152TX-80	OXYGEN	3000 psi (207 bar)	4-80 psi (0.28-5.5 bar)	2", 4000 psi (280 bar)	2", 100 psi (7 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
152TY-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2", 400 psi (28 bar)	2", 30 psi (2 bar), RL	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
152TIN-125	INERT GAS (Ar, He, N2)	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2", 4000 psi (280 bar)	2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
152TIN-600		4500 psi (300 bar)	0-600 psi (0-40 bar)	2", 6000 psi (420 bar)	2", 1000 psi (70 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

153T SERIES

Heavy Duty Two Stage Regulators

Gas Welding & Cutting Apparatus

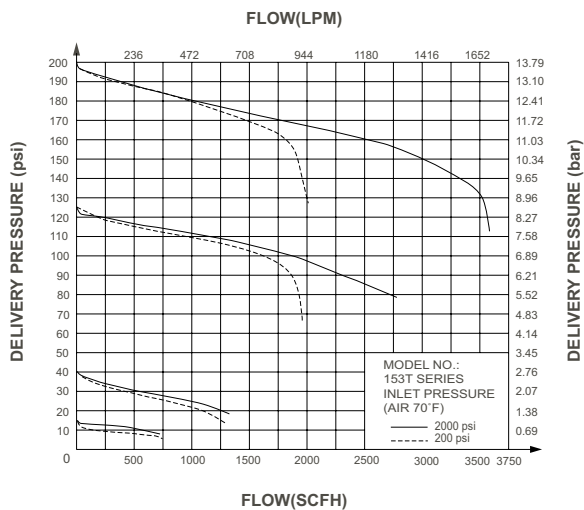
153T Series Two Stage Regulators

Designed for heavy duty gas welding, cutting, and heating applications. These two-stage regulators provide precise and constant delivery over a wide range of inlet pressures. Ideal for laboratory, welding, cutting, and many other applications.

- Non-Removable control knob
- Forged brass body and housing cap
- Delrin cap bushing for smooth adjustments
- Self re-seating external pressure relief valve
- Sintered bronze inlet filter
- Stem-type seat assembly for more reliable seating
- 2-1/2" gauges for easy reading
- 2" and 3-1/4" diaphragm
- Weight: 7 lbs 6 oz (3.35 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



153T



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection*	Outlet Connection
153TF-125	L.P. GAS	400 psi (28 bar)	5~125 psi (0.35~8.6 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 200 psi (14 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
153TX-125	OXYGEN	3000 psi (207 bar)	5~125 psi (0.35~8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
153TX-250			10~250 psi (0.7~17 bar)		2-1/2", 400 psi (28 bar)		
153TY-15	ACETYLENE	400 psi (28 bar)	2~15 psi (0.14~1 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 30 psi (2 bar), RL	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
153TY-15-3							
153TIN-125	INERT GAS (Ar, He, N ₂)	3000 psi (207 bar)	5~125 psi (0.35~8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
153TIN-250			10~250 psi (0.7~17 bar)		2-1/2", 400 psi (28 bar)		
153TC-125	CARBON DIOXIDE	3000 psi (207 bar)	5~125 psi (0.35~8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)
153TC-200			10~200 psi (0.7~14 bar)		2-1/2", 400 psi (28 bar)		
153TH-200	HYDROGEN	3000 psi (207 bar)	10~200 psi (0.7~14 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 400 psi (28 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)

*Inlet connection and outlet connections can be fitted according to country specific standards. Please confirm when ordering.

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

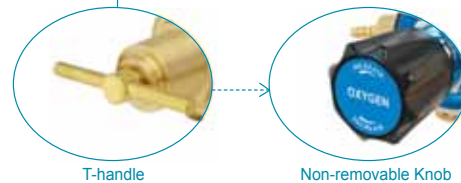
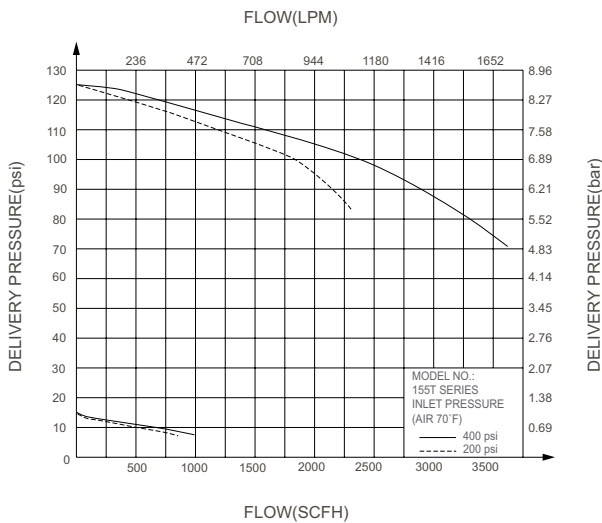
155T Series Two Stage Regulators

Model 155T Series Compressed Gas Regulators are dual-stage extra heavy duty models designed for applications where precise and constant outlet pressures are required over a wide range of inlet pressures. Ideal for laboratory testing, manifold installations, and many other industrial applications.

- Dual-stage construction
- Forged brass body and housing cap
- Delrin cap bushing for smooth adjustments
- Self re-seating external pressure relief valve
- Conforms to CGA E-4 standard for gas pressure regulators
- Sintered bronze inlet filter
- 2-1/2" gauges for easy reading
- 2" and 3-1/4" diaphragms
- Weight: 8 lbs 8 oz (3.86 kg)



155T



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
155TF-125	L.P. GAS	400 psi (28 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 200 psi (14 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
155TX-125	OXYGEN	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
155TX-200			10-200 psi (0.69-17.2 bar)		2-1/2", 400 psi (28 bar)		
155TY-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 30 psi (2 bar), RL	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
155TIN-125	INERT GAS (Ar, He, N ₂)	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
155TIN-200			10-200 psi (0.69-17.2 bar)		2-1/2", 400 psi (28 bar)		

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

462TF SERIES

High Pressure Two Stage Regulator

Gas Welding & Cutting Apparatus

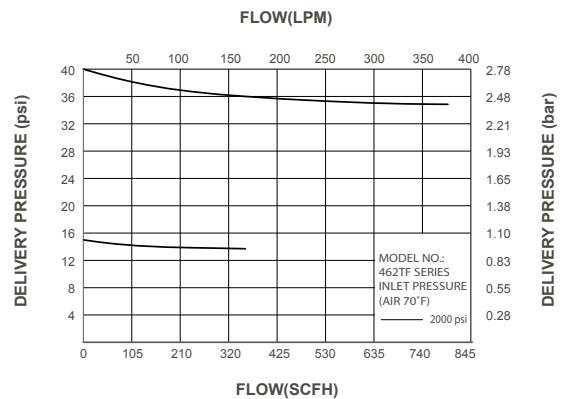
462TF Series Two Stage Regulator

Designed for use with CNG cylinders, the 462TF prevents freezing through a unique heat sink design. The heat transfers through the heat sink preventing snow crystals from forming. The two-stage regulator offers a very steady and precise outlet pressure



462TF

- Two stage regulator offers a steady outlet pressure
- Unique aluminum heat sink fin design prevents freezing
- Special outlet connector with heat sink further prevents freezing
- Brass high pressure core
- 2" dual scale pressure gauges
- Weight: 5.8 lbs (2.6 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Maximum Delivery Flow	Inlet Gauge	Outlet Gauge	Inlet Connection*	Outlet Connection
462F-40	CNG	3600 psi (250 bar)	0~36 psi (0~2.5 bar)	0~350 SCFH (0~165 LPM)	2", 6000 psi (420 bar)	2", 60 psi (4 bar)	BS2, G 5/8"-LH(M)	G 3/8" - LH(M)

*Inlet connection and outlet connections can be fitted according to country specific standards. Please confirm when ordering.

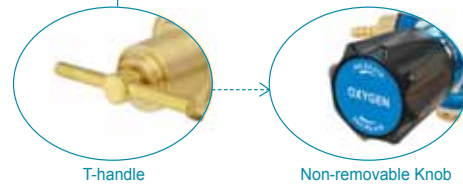
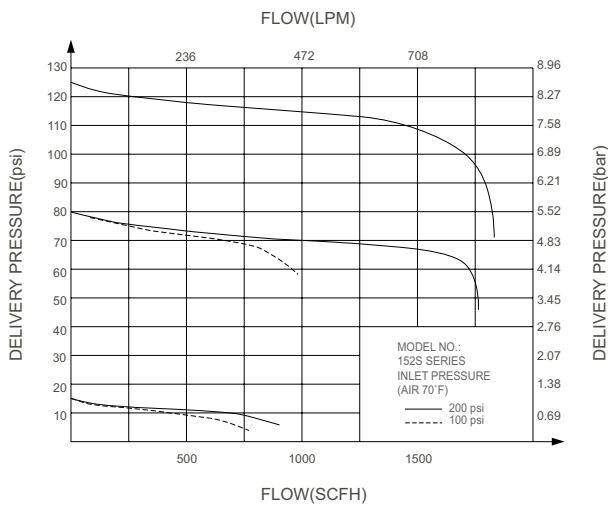
152S Series Station Regulators

Designed for use with gas distribution systems with light to medium flow applications. Maximum inlet pressure of 200 Psi.
NOT FOR USE ON CYLINDERS.

- Forged brass body and housing cap
- Single-stage construction
- 2-1/2" gauge for easy reading
- Weight: 2 lbs (0.9 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



152S



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
152SF-80	L.P. GAS	200 psi (14 bar)	4-80 psi (0.28-5.5 bar)	NONE	2", 100 psi (7 bar)	7/8" - 14LH(F)	9/16" - 18LH(M)
152SF-125			5-125 psi (0.35-8.6 bar)		2", 200 psi (14 bar)		
152SX-40	OXYGEN	200 psi (14 bar)	2-40 psi (0.14-2.76 bar)	NONE	2", 60 psi (4 bar)	7/8" - 14RH(F)	9/16" - 18RH(M)
152SX-80			4-80 psi (0.28-5.5 bar)		2", 100 psi (7 bar)		
152SX-125			5-125 psi (0.35-8.6 bar)		2", 200 psi (14 bar)		
152SY-15	ACETYLENE	200 psi (14 bar)	2-15 psi (0.14-1.03 bar)	NONE	2", 30 psi (2 bar), RL	7/8" - 14LH(F)	9/16" - 18LH(M)
152SIN-40	AIR INERT GAS CO ₂	200 psi (14 bar)	2-40 psi (0.14-2.76 bar)	NONE	2", 60 psi (4 bar)	7/8" - 14RH(M)	5/8" - 18RH(F)
152SIN-80			4-80 psi (0.28-5.5 bar)		2", 100 psi (7 bar)		
152SIN-125			5-125 psi (0.35-8.6 bar)		2", 200 psi (14 bar)		
152SIN-40FG			0-40 SCFH		0-40 SCFH		

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

853S SERIES

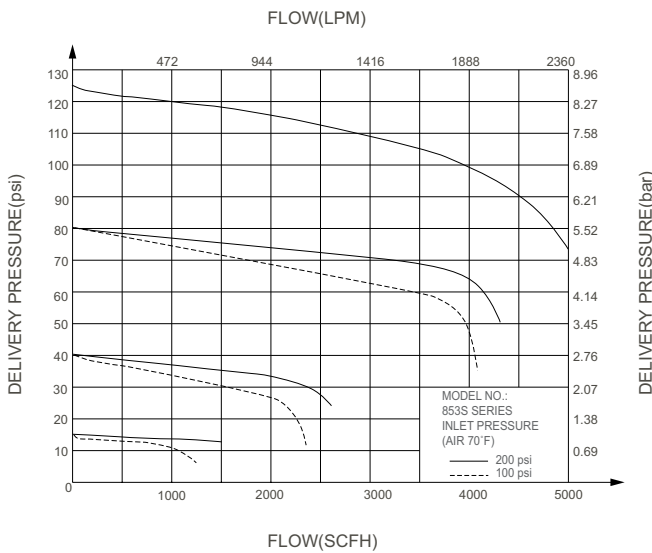
Medium-Heavy Duty Station Regulators

Gas Welding & Cutting Apparatus

853S Series Station Regulators

Designed for medium to high flow gas distribution systems in medium to heavy duty flow applications. Maximum inlet pressure of 200 Psi.
NOT FOR USE ON CYLINDERS.

- Forged brass body and housing cap
- Delrin cap bushing for smooth adjustments
- Single-stage construction
- Weight: 3 lbs 5 oz (1.5 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
853SF-80	L.P. GAS	200 psi (14 bar)	4-80 psi (0.28-5.5 bar)	NONE	2-1/2", 100 psi (7 bar)	7/8" - 14LH(F)	9/16" - 18LH(M)
853SX-40	OXYGEN	200 psi (14 bar)	2-40 psi (0.14-2.76 bar)	NONE	2-1/2", 60 psi (4 bar)	7/8" - 14RH(F)	9/16" - 18RH(M)
853SX-80			4-80 psi (0.28-5.5 bar)		2-1/2", 100 psi (7 bar)		
853SX-125			5-125 psi (0.35-8.6 bar)		2-1/2", 200 psi (14 bar)		
853SY-15	ACETYLENE	200 psi (14 bar)	2-15 psi (0.14-1.03 bar)	NONE	2-1/2", 30 psi (2 bar), RL	7/8" - 14LH(F)	9/16" - 18LH(M)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

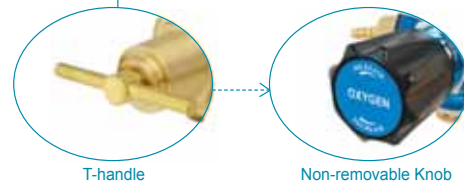
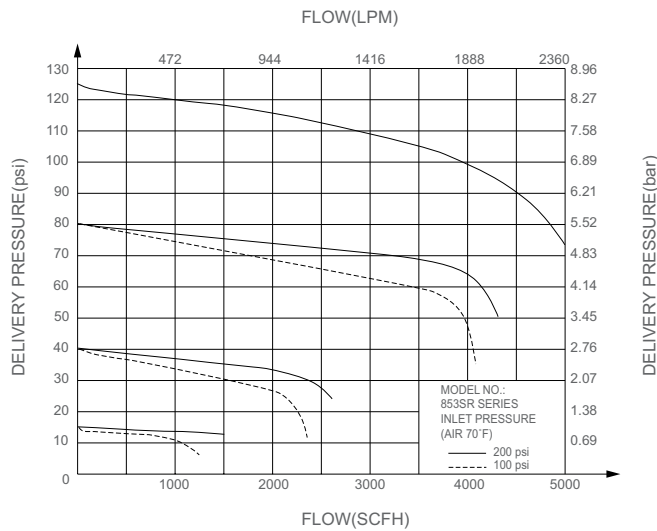
853SR Series Station Regulators

Designed for medium to high flow gas distribution systems in medium to heavy duty flow applications. Maximum inlet pressure of 200 Psi.
NOT FOR USE ON CYLINDERS.

- Forged brass body and housing cap
- Single-stage construction
- Rear entry
- 2-1/2" gauge for easy reading
- Weight: 3 lbs 5 oz (1.5 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



853SR



T-handle

Non-removable Knob

Model Number	Gas Service	Maximum Inlet Pressure (Psi)	Maximum Delivery Pressure (Psi)	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
853SRF-80	L.P. GAS	200 psi (14 bar)	4-80 psi (0.28-5.5 bar)	NONE	2-1/2", 100 psi (7 bar)	7/8" - 14LH(F)	9/16" - 18LH(M)
853SRIN-80	INERT GAS CO ₂	200 psi (14 bar)	4-80 psi (0.28-5.5 bar)	NONE	2-1/2", 100 psi (7 bar)	7/8" - 14RH(M)	5/8" - 18RH(F)
853SRIN-125			5-125 psi (0.35-8.6 bar)		2-1/2", 200 psi (14 bar)		
853SRX-80	OXYGEN	200 psi (14 bar)	4-80 psi (0.28-5.5 bar)	NONE	2-1/2", 100 psi (7 bar)	7/8" - 14RH(F)	9/16" - 18RH(M)
853SRX-125			5-125 psi (0.35-8.6 bar)		2-1/2", 200 psi (14 bar)		
853SRY-15	ACETYLENE	200 psi (14 bar)	2-15 psi (0.14-1.03 bar)	NONE	2-1/2", 30 psi (2 bar), RL	7/8" - 14LH(F)	9/16" - 18LH(M)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

155S SERIES

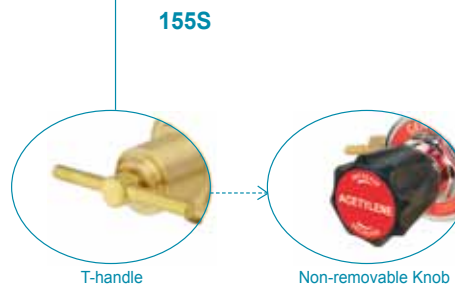
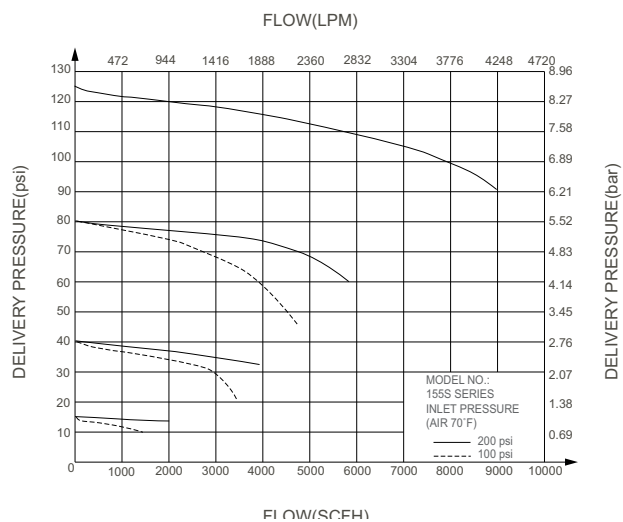
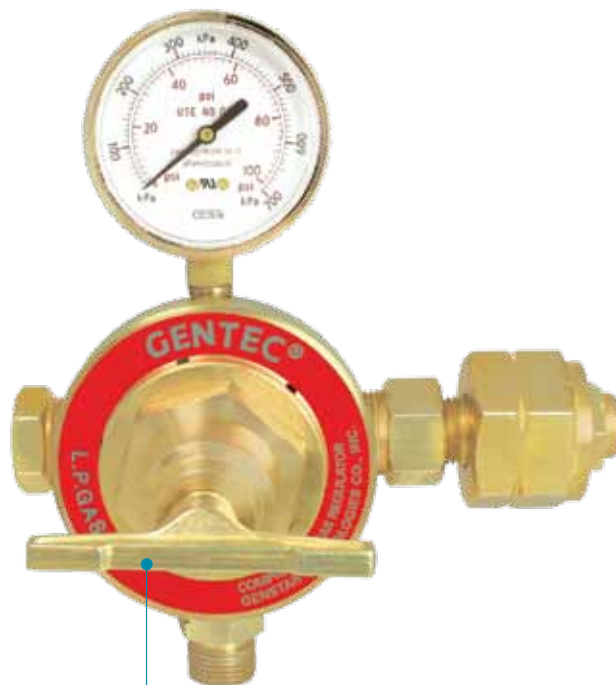
Heavy Duty Station Regulators

Gas Welding & Cutting Apparatus

155S Series Station Regulators

Designed for high flow gas distribution systems in heavy duty capacity flow applications. Maximum inlet pressure of 350 Psi.
NOT FOR USE ON CYLINDERS.

- Forged brass body and housing cap
- Single-stage construction
- 2-1/2" gauge for easy reading
- Weight: 6 lbs 10 oz (3 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



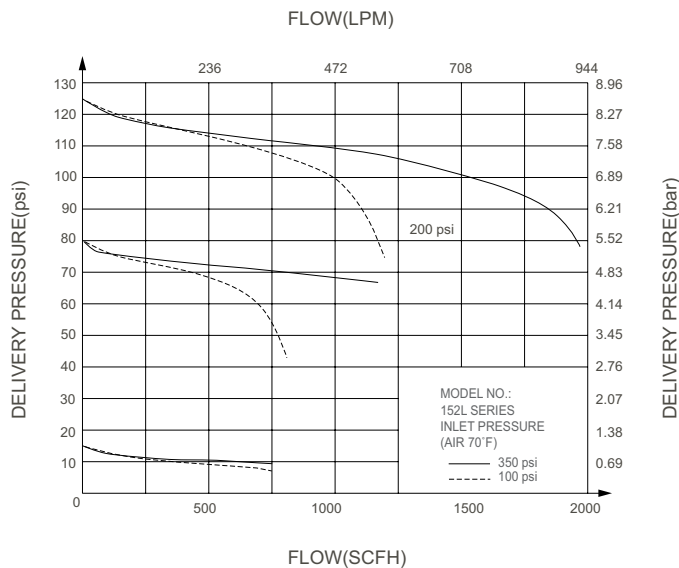
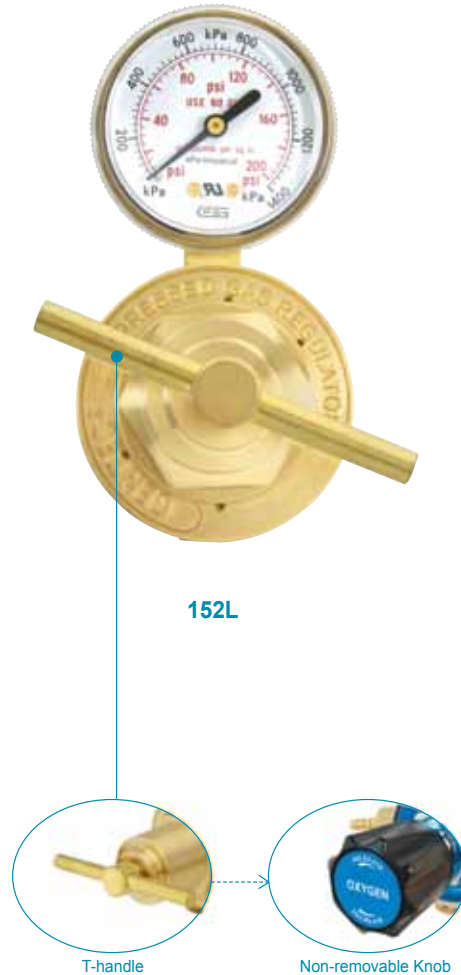
Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
155SF-80	L.P. GAS	350 psi (24 bar)	4-80 psi (0.28-5.5 bar)	NONE	2-1/2", 100 psi (7 bar)	1" - 11-1/2NPS LH(F)	7/8" - 14LH(M)
155SX-125	OXYGEN INERT GAS CO ₂	350 psi (24 bar)	5-125 psi (0.35-8.6 bar)	NONE	2-1/2", 200 psi (14 bar)	1" - 11-1/2NPS RH(F)	7/8" - 14RH(M)
155SY-15	ACETYLENE	350 psi (24 bar)	2-15 psi (0.14-1.03 bar)	NONE	2-1/2", 30 psi (2 bar), RL	1" - 11-1/2NPS LH(F)	7/8" - 14LH(M)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

152L Series Pipeline Regulators

Designed for use with gas distribution systems in medium to heavy duty flow applications, with a maximum inlet pressure of 350 Psi
NOT FOR USE ON CYLINDERS.

- Forged brass body and housing cap
- Single-stage construction
- Stem-type seat assembly for more reliable performance
- Delrin cap bushing for smooth adjustments
- 2" gauge for easy reading
- 2" diaphragm
- Weight: 2 lbs (0.9 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



Model Number	Gas Service	Maximum Inlet Pressure (Psi)	Maximum Delivery Pressure (Psi)	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
152LF-80	L.P. GAS	350 psi (24 bar)	4-80 psi (0.28-5.5 bar)	NONE	2", 100 psi (7 bar)	1/4"NPT(F) PORT	1/4"NPT(F) PORT
152LX-80	OXYGEN INERT GAS CO ₂ , AIR	350 psi (24 bar)	4-80 psi (0.28-5.5 bar)	NONE	2", 100 psi (7 bar)	1/4"NPT(F) PORT	1/4"NPT(F) PORT
152LX-125			5-125 psi (0.35-8.6 bar)		2", 200 psi (14 bar)		
152LX-200			10-200 psi (0.69-13.8 bar)		2", 400 psi (28 bar)		
152LY-15	ACETYLENE	350 psi (24 bar)	2-15 psi (0.14-1.03 bar)	NONE	2", 30 psi (2 bar), RL	1/4"NPT(F) PORT	1/4"NPT(F) PORT

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

853L SERIES

Medium-Heavy Duty Pipeline Regulators

Gas Welding & Cutting Apparatus

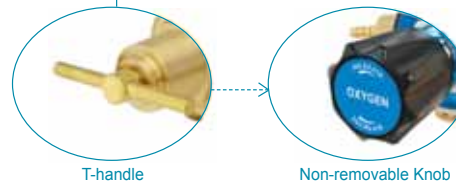
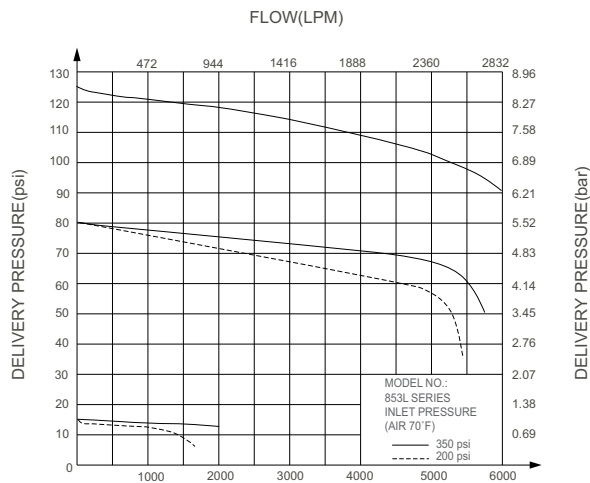
853L Series Pipeline Regulators

Designed for use with gas distribution systems in medium to heavy flow applications, with a maximum inlet pressure of 350 Psi.
NOT FOR USE ON CYLINDERS.

- Forged brass body and housing cap
- Single-stage construction
- Stem-type seat assembly for more reliable performance
- Delrin cap bushing for smooth adjustments
- 2-1/2" gauge for easy reading
- 2-3/4" diaphragm
- Weight: 3 lbs 5 oz (1.5 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



853L



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
853LF-125	L.P. GAS	350 psi (24 bar)	5-125 psi (0.35-8.6 bar)	NONE	2-1/2", 200 psi (14 bar)	1/4"NPT(F) PORT	1/4"NPT(F) PORT
853LX-125	OXYGEN INERT GAS CO ₂ , AIR	350 psi (24 bar)	5-125 psi (0.35-8.6 bar)	NONE	2-1/2", 200 psi (14 bar)	1/4"NPT(F) PORT	1/4"NPT(F) PORT
853LY-15	ACETYLENE	350 psi (24 bar)	2-15 psi (0.14-1.03 bar)	NONE	2-1/2", 30 psi (2 bar), RL	1/4"NPT(F) PORT	1/4"NPT(F) PORT

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

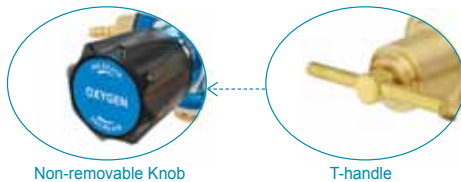
853LCR Series Single Stage Liquid Cylinder Regulators

853LCR Series Liquid Cylinder Regulators are specially designed for gaseous withdrawal from liquid cylinders of Oxygen, Carbon Dioxide and Nitrogen. Not for use on high pressure cylinders.

- Vapor side application on liquid cylinders or vessels
- 0-125 psi delivery pressure
- 500 psi maximum inlet pressure
- Large 2-3/4" stainless steel diaphragm
- 500 psi external pressure relief valve on high pressure side
- Forged brass body and housing cap
- Delrin-cap bushing for smooth pressure adjustment
- Stem-type seat assembly for more reliable performance
- Sintered bronze inlet filter
- 2-1/2" dual scale outlet gauge
- Conforms to CGA E-4 Standard for Gas Pressure Regulators

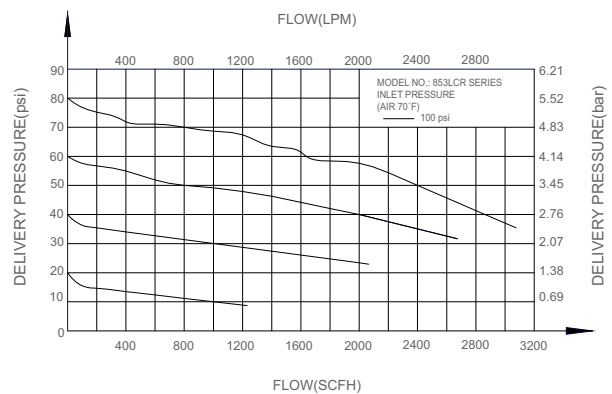
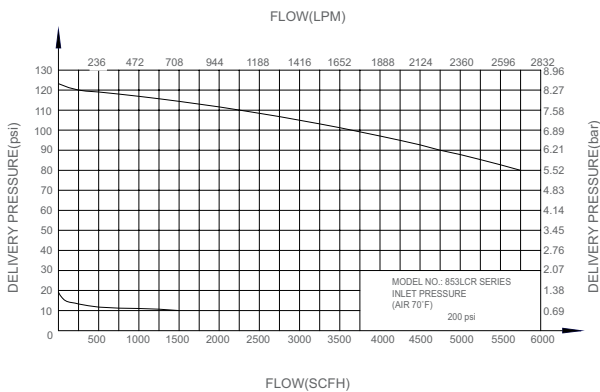


853LCR



Non-removable Knob

T-handle



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
853LCRX-125	OXYGEN	500 psi (35 bar)	5-125 psi (0.35-8.6 bar)	NONE	2-1/2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
853LCRIN-125	NITROGEN	500 psi (35 bar)	5-125 psi (0.35-8.6 bar)	NONE	2-1/2", 200 psi (14 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
853LCRCD-125	CARBON DIOXIDE	500 psi (35 bar)	5-125 psi (0.35-8.6 bar)	NONE	2-1/2", 200 psi (14 bar)	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

155L SERIES

Heavy Duty Pipeline Regulators

Gas Welding & Cutting Apparatus

155L Series Pipeline Regulators

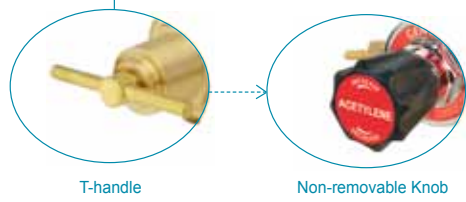
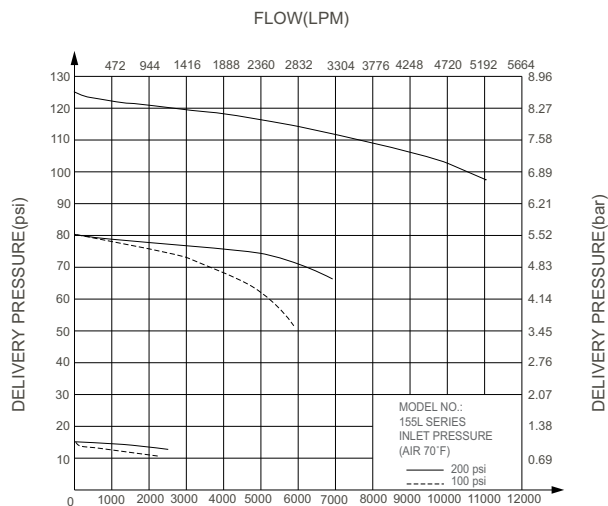
Designed for use with heavy flow gas distribution systems, with a maximum inlet pressure of 350 Psi

NOT FOR USE ON CYLINDERS.

- Forged brass body and housing cap
- Single-stage construction
- Stem-type seat assembly for more reliable performance
- Delrin cap bushing for smooth adjustments
- 2-1/2" gauge for easy reading
- 3-1/4" neoprene diaphragm
- Weight: 5 lbs 2 oz (2.33 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



155L



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
155LF-125	L.P. GAS	350 psi (24 bar)	5-125 psi (0.35-8.6 bar)	NONE	2-1/2", 200 psi (14 bar)	3/4"NPT(F) PORT	3/4"NPT(F) PORT
155LF-200			10-200 psi (0.69-13.8 bar)		2-1/2", 400 psi (28 bar)		
155LX-80	OXYGEN INERT GAS CO ₂ , AIR	350 psi (24 bar)	4-80 psi (0.28-5.5 bar)	NONE	2-1/2", 100 psi (7 bar)	3/4"NPT(F) PORT	3/4"NPT(F) PORT
155LX-125			5-125 psi (0.35-8.6 bar)		2-1/2", 200 psi (14 bar)		
155LX-200			10-200 psi (0.69-13.8 bar)		2-1/2", 400 psi (28 bar)		
155LY-15	ACETYLENE	350 psi (24 bar)	2-15 psi (0.14-1.03 bar)	NONE	2-1/2", 30 psi (2 bar), RL	3/4"NPT(F) PORT	3/4"NPT(F) PORT

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

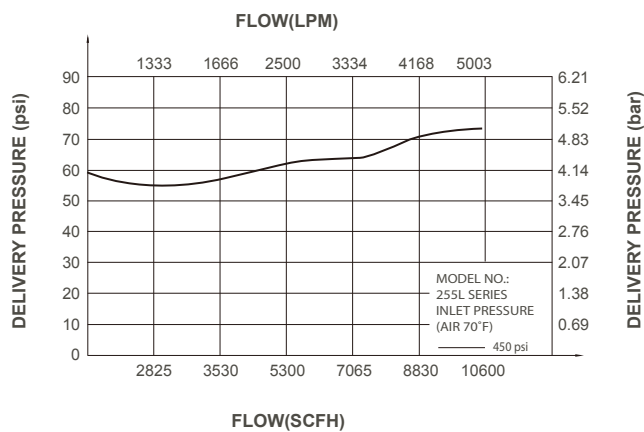
255L Series Low Pressure High Flow Regulators

255L Series Low Pressure High Flow Regulators are specially designed for manifold systems. They are ideal for use with heavy flow gas distribution systems.

- 500 psi maximum inlet pressure
- 0-200 psi delivery pressure
- Forged brass body
- Operating temperature: -40 ~ 140°F (-40 ~ 60°C)
- Conforms to CGA E-4 Standard for Gas Pressure Regulators



255L



255LA

Model Number	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet / Outlet Connection	Cap Materials
255L-60	500 psi (35 bar)	5-60 psi (0.35-4.14 bar)	NONE	NONE	1/2" NPT(F)	Brass
255L-125	500 psi (35 bar)	40-125 psi (2.76-8.62 bar)	NONE	NONE	1/2" NPT(F)	Brass
255L-200	500 psi (35 bar)	100-200 psi (6.9-13.8 bar)	NONE	NONE	1/2" NPT(F)	Brass
255LA-60	500 psi (35 bar)	5-60 psi (0.35-4.14 bar)	NONE	NONE	1/2" NPT(F)	Aluminum-plated
255LA-125	500 psi (35 bar)	40-125 psi (2.76-8.62 bar)	NONE	NONE	1/2" NPT(F)	Aluminum-plated
255LA-200	500 psi (35 bar)	100-200 psi (6.9-13.8 bar)	NONE	NONE	1/2" NPT(F)	Aluminum-plated

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

153M SERIES

Heavy Duty Manifold Regulators

Gas Welding & Cutting Apparatus

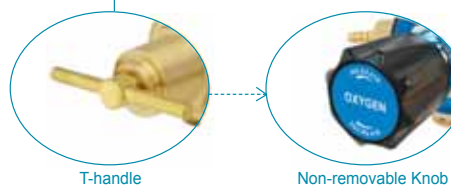
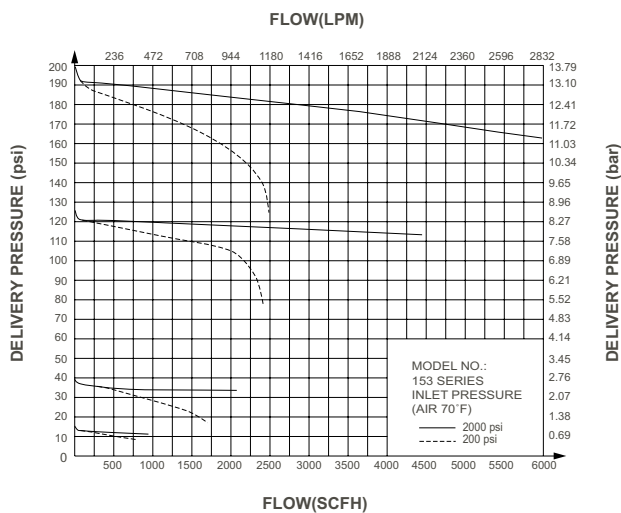
153M Series Manifold Regulators

Model 153M Series Manifold Regulators are specially designed for manifold systems. They are ideal for use with heavy flow gas distribution systems.

- Single-stage construction
- Forged brass body and housing cap
- Delrin cap bushing for smooth adjustments
- Sintered bronze inlet filter
- 2-1/2" gauges for easy reading
- 3-1/4" stainless steel diaphragm
- Weight: 4 lbs 13 oz (2.2 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



153M



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
153MF-40	L.P. GAS	400 psi (28 bar)	2-40 psi (0.14-2.76 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 60 psi (4 bar)	1" - 11-1/2NPS LH(M)	1" - 11-1/2NPS LH(F)
153MF-125			5-125 psi (0.35-8.6 bar)		2-1/2", 200 psi (14 bar)		
153MX-125	OXYGEN INERT GAS CO ₂ , AIR	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	1" - 11-1/2NPS RH(M)	1" - 11-1/2NPS RH(F)
153MX-200			10-200 psi (0.69-13.8 bar)		2-1/2", 400 psi (28 bar)		
153MY-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 30 psi (2 bar), RL	1" - 11-1/2NPS LH(M)	1" - 11-1/2NPS LH(F)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

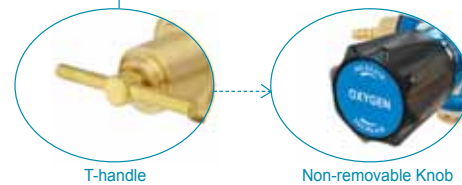
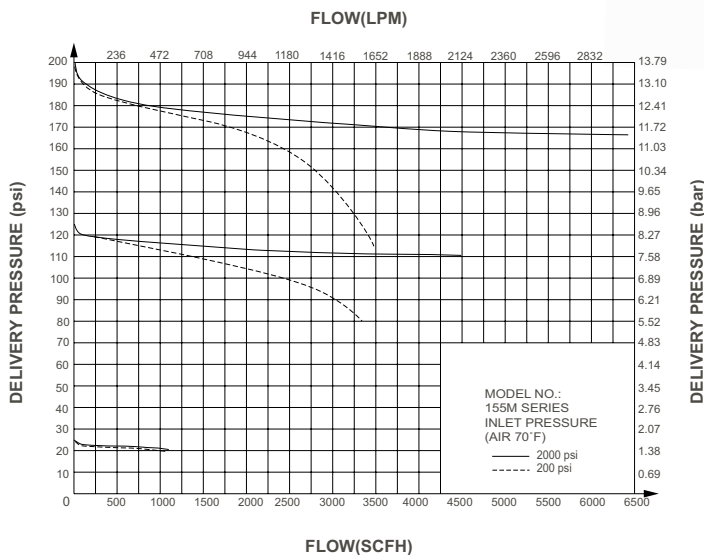
155M Series Manifold Regulators

Model 155M Series Manifold Regulators are specially designed for manifold systems. They are ideal for use with extra heavy flow gas distribution systems.

- Single-stage construction
- Forged brass body and housing cap
- Delrin cap bushing for smooth adjustments
- Sintered bronze inlet filter
- 2-1/2" gauges for easy reading
- 3-1/4" stainless steel diaphragm
- Weight: 8 lbs 6 oz (3.8 kg)
- Conforms to CGA E-4 standard for gas pressure regulators



155M



T-handle

Non-removable Knob

Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
155MIN-125-A	OXYGEN	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	1" - 11-1/2NPS RH(M)	1" - 11-1/2NPS RH(F)
155MIN-200-A	INERT GAS CO ₂ , AIR		10-200 psi (0.69-13.8 bar)		2-1/2", 400 psi (28 bar)		
155MY-15-A	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 30 psi (2 bar), RL	1" - 11-1/2NPS LH(M)	1" - 11-1/2NPS LH(F)
155MIN-125	OXYGEN	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2-1/2", 4000 psi (280 bar)	2-1/2", 200 psi (14 bar)	G3/4"-RH(M)	G3/4"-RH(M)
155MIN-200	INERT GAS CO ₂ , AIR		10-200 psi (0.69-13.8 bar)		2-1/2", 400 psi (28 bar)		
155MY-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2-1/2", 400 psi (28 bar)	2-1/2", 30 psi (2 bar), RL	G3/4"-LH (M)	G3/4"-LH (M)

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

190 SERIES

Light Duty Flow Gauge Regulators

Gas Welding & Cutting Apparatus

190AR1 Series Flow Gauge Regulators

Model 190AR1 Series Flow Gauge Regulators are designed for light duty MIG applications to provide accurate regulation of gas flow, and reliable performance in commercial, industrial and laboratory applications.

- 2" flow gauge for easy reading
- Body machined from class "A" brass
- Chrome-plated housing cap
- Internal pressure relief design
- Sintered bronze inlet filter
- Plastic adjustment knob for smooth "easy touch" flow settings
- 0 - 50 SCFH argon (Ar) flow
- Weight: 1 lb 15 oz (0.88 kg)
- UL listed



190AR1

Model Number	Gas Service	Flow Capacity	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
190AR1-25L	ARGON, AR/CO ₂ MIX	0-25 LPM	NONE	2", 25 LPM	BS3, G 5/8"-RH(M)	5/8" - 18RHF, .032 ORIFICE
190AR1-25L-B						3/16" BARB, .032 ORIFICE
190AR1-25L-P						5/32" PUSH-IN-TUBE, .032 ORIFICE

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

190 Series Flow Gauge Regulators

Model 190 Series "MIG METER" Flow Gauge Regulators are designed for MIG & TIG applications to provide accurate regulation of gas flow. They are ideal for commercial, industrial and laboratory applications.

- 2" gauges for easy reading
- Forged brass body and housing cap
- Chrome plated housing cap
- Internal pressure relief design
- Accurate measurement of gas flow up to 50 SCFH
- Choice of inlet connections for argon (CGA 580) or carbon dioxide (CGA 320)
- Plastic adjustment knob for smooth "easy touch" flow settings
- Weight: 2 lbs 3 oz (1 kg)
- UL listed



190AR

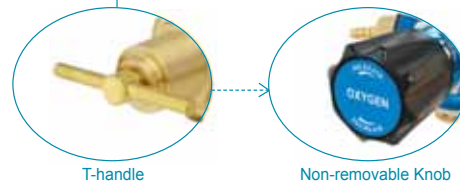
Model Number	Gas Service	Flow Capacity (SCFH)	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
190AR-25L	ARGON, AR/CO ₂ MIX	0-25 LPM	2", 4000 psi (280 bar)	2", 25 LPM	BS3, G 5/8"-RH(M)	5/8" - 18RHF, .032 ORIFICE
190AR-25L-B						3/16" BARB, .032 ORIFICE
190AR-25L-P						5/32" PUSH-IN-TUBE, .032 ORIFICE
190CD-25L	CARBON DIOXIDE	0-20 LPM	2", 4000 psi (280 bar)	2", 25 LPM	BS8, G 0.860"-14RH(F)	5/8" - 18RHF, .032 ORIFICE

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

152 Series Flow Gauge Regulators

Model 152 Series Flow Gauge Regulators are designed for MIG & TIG applications to provide accurate regulation of gas flow. They also provide reliable performance in commercial, industrial and laboratory applications.

- Accurate measurement of gas flow up to 100 SCFH
- Body and housing cap are machined from class "A" brass
- External pressure relief valve
- Lightweight, rugged construction
- Sintered bronze inlet filter
- Stem type seat assembly for more reliable performance
- Weight: 2 lbs 15 oz (1.3 kg)



Model Number	Gas Service	Flow Capacity	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
152AR-50L	ARGON, AR/CO ₂ MIX	0-50 LPM	2", 4000 psi (280 bar)	2", 50 LPM	BS3, G 5/8"-RH(M)	5/8" - 18RHF, .032 ORIFICE
152CD-50L	CARBON DIOXIDE	0-50 LPM	2", 4000 psi (280 bar)	2", 50 LPM	BS8, G 0.860"-14RH(F)	5/8" - 18RHF, .032 ORIFICE

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM

220, 227 & 229 SERIES

Compact Pre-Set Gas Regulators

Gas Welding & Cutting Apparatus

220 Flow Regulators "PACER"

Model 220 "PACER" Flow Regulators are designed for light duty MIG applications where compact size and preset delivery flow are desirable. Piston-type mechanism provides reliable performance.

- "Piston" type cylinder pressure indicator
- 30 SCFH preset argon flow
- Integral CGA 580 inlet with sintered bronze inlet filter
- Weight: 9.7 oz (0.27 kg)



220-50

Model Number	Gas Service	Maximum Delivery Pressure (Psi)	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection	Equivalent
220-50	ARGON, AR/CO ₂ MIX	50	PISTON INDICATOR	NONE	CGA580	3/16" BARB, .032 ORIFICE	F.R.O.G.

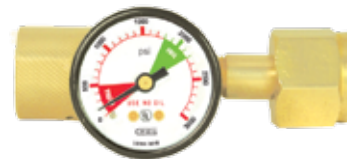
227 Series Flow Regulators

Model 227 Series Flow Regulators are designed for light duty applications using carbon dioxide (CO₂) or nitrogen (N₂). Preset delivery available for six pressure settings: 50, 75, 100, 125, 150 & 175 Psi. To order, add pressure number after the series number. For example, 227C-150 for preset delivery pressure 150Psi.

- "Piston" type mechanism for reliability
- Body machined from class "A" brass bar stock
- Sintered bronze inlet filter
- 1/4" NPT outlet port
- Weight w/o gauge: 14.5 oz w/gauge: 16 oz
- 1-1/2" rear entry color-coded cylinder contents gauge (Model 227CG & 227NG)



227C-50



227CG-100

Regulator Series	Gas Service	Available Present Pressure (Psi)	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
227C	CARBON DIOXIDE	50, 75, 100, 125, 150, 175	NONE	NONE	CGA320	1/4" NPT(F) PORT
227CG			1-1/2" 3000Psi REAR			
227N	ARGON, AR/CO ₂ MIX		NONE			
227NG			1-1/2" 3000Psi REAR			

229 Series Flow Regulators

Model 229 Series Flow Regulators are designed for light duty MIG applications where compact size and preset delivery flow are desirable. Piston-type mechanism provides reliable performance.

- 40 SCFH preset argon flow
- Integral CGA 580 inlet with sintered bronze inlet filter
- Choice of 3/16" barbed or 5/32" push-to-connect outlet
- Weight: 11.9 oz (0.34 kg)



229-50-B



229-50-P

Model Number	Gas Service	Maximum Delivery Pressure (Psi)	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
229-50-B	ARGON, AR/CO ₂ MIX	50	NONE	NONE	CGA580	3/16" BARB, .032 ORIFICE
229-50-P						5/32" PUSH-IN-TUBE, .032 ORIFICE

191 Series Flowmeter Regulators

Model 191 Series Flowmeter Regulators are designed for MIG & TIG applications to provide accurate regulation of gas flow. They are also ideal for commercial, industrial and laboratory applications.

- Combination of regulator and flowmeter as one compact-unit
- Regulator is preset at 50 psi (3.5 bar)
- Polycarbonate flow tube and hood are impact resistant for maximum durability and service life
- Calibrated for argon, CO₂, helium, nitrogen, air, and 75% argon / 25% CO₂ mixed gases
- Back-pressure compensated to ensure accurate readings when line restrictions are present
- Piston-type construction
- Body machined from class "A" brass
- Internal pressure relief valve
- Sintered bronze inlet filter
- Weight: 1 lbs. 10 oz (0.74 kg)
- Conforms to CGA E-4 Standard for Gas Pressure Regulators



191

Model Number	Gas Service	Outlet Pressure	Inlet Gauge	Flowmeter	Inlet Connection*	Outlet Connection
191AR-25L	ARGON, AR/CO ₂ MIX	50 psi (3.5 bar)	1-1/2", 4000 psi (280 bar)	25 LPM	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
191CD-25L	CARBON DIOXIDE	50 psi (3.5 bar)	1-1/2", 4000 psi (280 bar)	25 LPM*	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)

*Maximum Actual Flow 14 LPM with Continuous Cold Carbon Dioxide.

*Products can be ordered with German (DIN) connections . Please confirm when ordering.

791AR Flowmeter Regulator

791AR-25L Economical Flowmeter Regulator is designed for Light Duty MIG & TIG applications.

- Compact lightweight construction
- Piston-type construction
- Forged Brass Body
- Calibrated for argon, and 75% argon / 25% CO₂ mixed gases
- Backpressure compensated to ensure accurate readings
- Sintered bronze inlet filter
- Compact Inlet Gauge
- Weight: 13.8 oz (0.39 kg)



791AR

Model Number	Gas Service	Outlet Pressure Preset	Inlet Gauge	Flowmeter	Inlet Connection	Outlet Connection
791AR-25L	ARGON, AR/CO ₂ MIX	50 psi (3.5 bar)	1-1/2", 3000 psi (210 bar)	25 LPM	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)

*Products can be ordered with German (DIN) connections . Please confirm when ordering.

195 & 195T SERIES, MIG/TIG SHIELDING GAS KITS

Heavy Duty Flowmeter Regulators

Gas Welding & Cutting Apparatus

195 & 195T Heavy Duty "MIG MASTER" Flowmeter Regulators

Model 195 Series "MIG MASTER" Flowmeter Regulators are designed for MIG & TIG applications to provide accurate regulation of gas flow. They are also ideal for commercial, industrial, and laboratory applications.

- Regulator is preset at 50 psi (3.5 bar)
- 195 Series has single-stage construction and 195T Series has two-stage construction
- Polycarbonate flow tube and hood are impact resistant for maximum durability and service life
- Calibrated for argon, helium, carbon dioxide and 75% argon / 25% CO₂ mixed gases
- Flowmeter is backpressure compensated to ensure accurate readings when line restrictions are present
- 2" high-pressure gauge for easy reading
- Body machined from class "A" brass
- Chrome-plated housing cap of regulator
- Internal pressure relief design
- Sintered bronze inlet filter
- Weight: 2 lbs 15 oz (1.33 kg)
- UL Listed



Model Number	Gas Service	Outlet Pressure	Inlet Gauge psi (bar)	Flowmeter	Inlet Connection*	Outlet Connection
195AR-25L	ARGON	50 psi (3.5 bar)	2", 4000 (280)	25 LPM	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
195HE-50L	HELIUM	50 psi (3.5 bar)	2", 4000 (280)	50 LPM	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
195CD-25L	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 (280)	25 LPM*	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)
195TAR-25L	ARGON	50 psi (3.5 bar)	2", 4000 (280)	25 LPM	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
195THE-50L	HELIUM	50 psi (3.5 bar)	2", 4000 (280)	50 LPM	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
195TCD-25L	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 (280)	25 LPM*	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)

*Maximum Actual Flow 14 LPM with Continuous Cold Carbon Dioxide

*Products can be ordered with German (DIN) connections. Please confirm when ordering.

MIG/TIG Shielding Gas Kits-Flowmeter/Flowgauge Regulator with 3/16"x6' Hose



190AR-50-6HSP



195AR-60-6HSP



791AR-60-6HSP

Model Number	Gas Service	Package Type	Flowgauge / Flowmeter (SCFH)	Regulator Type	Regulator Model Number	Blue Hose
190AR1-50-6HSP	ARGON	SKIN PACKAGE	50	FLOWGAUGE	190AR1-25L	3/16"x 6'
190AR-50-6HSP					190AR-25L	
190CD-45-6HSP	CARBON DIOXIDE	SKIN PACKAGE	50	FLOWGAUGE	190CD-20L	3/16"x 6'
191AR-60-6HSP	ARGON, AR/CO ₂ MIX	SKIN PACKAGE	60	FLOWMETER	191AR-25L	3/16"x 6'
191AR-60-6HCS		CLAM SHELL				
191CD-60-6HSP	CARBON DIOXIDE	SKIN PACKAGE	60	FLOWMETER	191CD-25L	3/16"x 6'
191CD-60-6HCS		CLAM SHELL				
791AR-60-6HSP	ARGON, AR/CO ₂ MIX	SKIN PACKAGE	60	FLOWMETER	791AR-25L	3/16"x 6'
195AR-60-6HSP					195AR-25L	
195CD-60-6HSP	CARBON DIOXIDE	SKIN PACKAGE	60	FLOWMETER	195CD-25L	3/16"x 6'

196 SERIES & 198CD SERIES

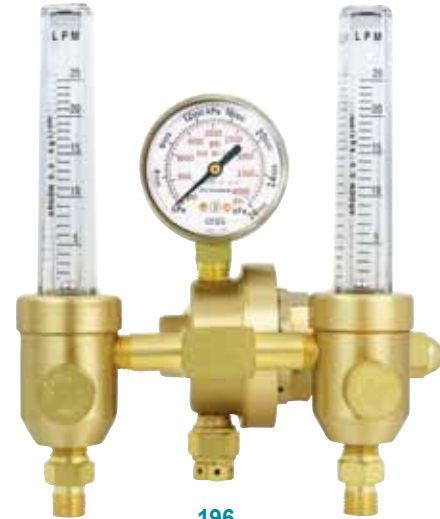
Dual Flowmeter Regulators & Electrically Heated Regulators

Gas Welding & Cutting Apparatus

196 Series Dual Flowmeter Regulators

Model 196 Series Flowmeter Regulators are designed for MIG & TIG applications to provide accurate regulation of gas flow. They are also ideal for commercial industrial and laboratory applications.

- Regulator is preset at 50 psi (3.5 bar)
- Body machined from class "A" brass
- Single-stage construction
- Monitoring two separate gas flow settings at the same time
- 2" gauge and two 195FM flowmeters
- Polycarbonate flow tube and hood are impact resistant for maximum durability and service life
- Calibrated for argon, helium and 75% argon / 25% CO₂ mixed gases
- Flowmeter is backpressure compensated to ensure accurate readings when line restrictions are present
- Sintered bronze inlet filter
- Weight: 4 lbs 10 oz (2.1 kg)
- Conforms to CGA E-4 Standard for Gas Pressure Regulators



196

Model Number	Gas Service	Outlet Pressure	Inlet Gauge	Flowmeter	Inlet Connection*	Outlet Connection
196AR-25L	ARGON	50 psi (3.5 bar)	2", 4000 psi (280 bar)	25 LPM	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
196HE-50L	HELIUM	50 psi (3.5 bar)	2", 4000 psi (280 bar)	50 LPM	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)

*Products can be ordered with German (DIN) connections . Please confirm when ordering.

198CD Electrically Heated Flowmeter Regulator for CO₂

198CD Electrically-Heated Flowmeter Regulator for CO₂ is designed for applications requiring high gas flow rates, up to 25 LPM without freezing.

- Regulator is preset at 50 psi (3.5 bar)
- Thermostatically-controlled built-in electric heater keeps the CO₂ warm and provides continuous duty cycle without freezing
- Voltage output will vary in some locations
- Please specify your voltage requirements when ordering
- Flowmeter is back-pressure compensated to ensure accurate reading when line restrictions are present
- Forged brass body and housing cap
- Sintered bronze inlet filter
- Weight: 4lbs 11oz (2.13 kg)



198CD

CAUTION: Use this regulator only with non-siphoned standard CO₂ cylinders

Model Number	Gas Service	Outlet Pressure	Inlet Gauge	Flowmeter	Inlet Connection*	Outlet Connection	Supply Voltage
198CD-25L-36	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 25 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	36VAC, 190W
198CD-25L-110	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 25 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	110VAC, 190W
198CD-25L-220	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 25 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	220VAC, 190W

*Products can be ordered with German (DIN) connections . Please confirm when ordering.

394 & 155CG SERIES

Electrically Heated Regulators

Gas Welding & Cutting Apparatus

394C Series Electrically Heated Flowmeter Regulator for CO2

- Built-in, thermostatically-controlled, electric heater keeps the CO₂ warm, allowing a continuous duty cycle without freezing
- 0 ~ 25 LPM Flowmeter
- Forged brass body and Sintered bronze inlet filter
- Weight: 4lbs (1.82 kg)



394

CAUTION: Use this regulator only with non-siphoned standard CO₂ cylinders

Model Number	Gas Service	Outlet Pressure	Inlet Gauge	Flowmeter	Inlet Connection*	Outlet Connection	Supply Voltage
394C-25L-36	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 25 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	36VAC, 190W
394C-25L-110	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 25 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	110VAC, 190W
394C-25L-220	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 25 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	220VAC, 190W

*Products can be ordered with German (DIN) connections . Please confirm when ordering.

155CG Series Electrically Heated Regulator for CO2

155CG Electrically-Heated Regulator for CO₂ is design for applications requiring high pressure high gas flow rates

- Regulator is preset at 3000 psi (207bar)
- Thermostatically-controlled built-in electric heater keeps the CO₂ warm and provides continuous duty cycle without freezing
- Please specify your voltage requirements when ordering
- 2-1/2" gauges for easy reading
- Forged brass body and housing cap
- Sintered bronze inlet filter
- Weight: 9 lbs 11oz (4.4 kg)



155CG

Model Number	Max. inlet Pressure	Outlet Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection*	Outlet Connection	Supply Voltage
155CG-125-220	3000 psi (207 bar)	5-125 psi (0.35-8.6 bar)	2.5", 4000 psi (280 bar)	2.5", 200 psi (14 bar)	1-11 1/2 NPS RH(M)	1-11 1/2 NPS RH(F)	220VAC, 1200W
155CG-200-220	3000 psi (207 bar)	10-200 psi (0.69-13.8 bar)	2.5", 4000 psi (280 bar)	2.5", 400 psi (28 bar)	1-11 1/2 NPS RH(M)	1-11 1/2 NPS RH(F)	220VAC, 1200W
155LCG-125-220	400 psi (28 bar)	5-125 psi (0.35-8.6 bar)	/	2.5", 200 psi (14 bar)	3/4" NPT(F)	3/4" NPT(F)	220VAC, 1200W
155LCG-200-220	400 psi (28 bar)	10-200 psi (0.69-13.8 bar)	/	2.5", 400 psi (28 bar)	3/4" NPT(F)	3/4" NPT(F)	220VAC, 1200W

*Products can be ordered with German (DIN) connections . Please confirm when ordering.

199CD & 195FM SERIES

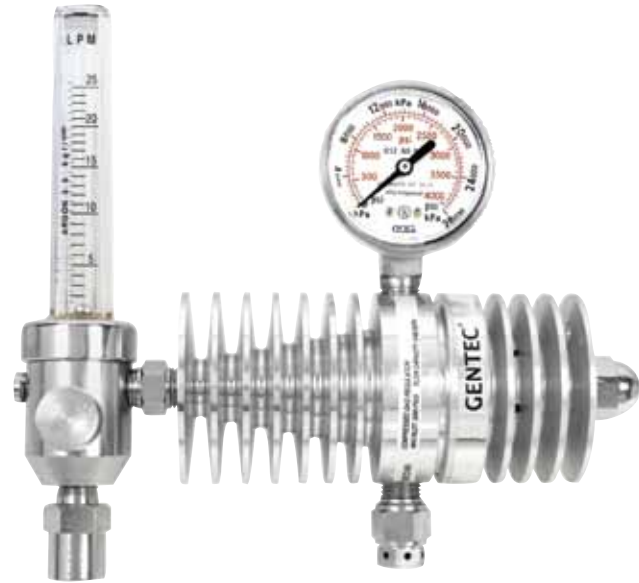
Radiator Flowmeter Regulator & Flowmeter

Gas Welding & Cutting Apparatus

199CD Radiator Flowmeter Regulator for CO₂

199CD Radiator-Type Regulator / Flowmeter for CO₂ is designed for applications requiring high gas flow rates, up to 25 LPM without freezing.

- Flowmeter is backpressure compensated to ensure accurate reading when line restrictions are present
- Regulator is preset to deliver 50 psi (3.5 bar) into the flowmeter which is calibrated to operate at 50 psi (3.5 bar)
- Anodized aluminum body
- Sintered bronze inlet filter
- Weight: 4lbs (1.82 kg)



199CD

CAUTION: Use this regulator only with non-siphoned standard CO₂ cylinders

Model Number	Gas Service	Outlet Pressure	Inlet Gauge	Flowmeter	Inlet Connection*	Outlet Connection
199CD-25L	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 25 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)

*Products can be ordered with German (DIN) connections . Please confirm when ordering.

195FM Series Flowmeters

Model 195FM Series Flowmeters are designed for accurate regulation of gas flow.

- Maximum inlet pressure 50 psi (3.5 bar)
- Body machined from class "A" brass
- Polycarbonate flow tube and hood are impact resistant for maximum durability and service life
- Backpressure compensated design ensures accurate readings when line restrictions are present
- Calibrated for argon, CO₂ and 75% argon / 25% CO₂ mixed gases at 50 Psi inlet pressure
- Easy to "fine-tune" flow settings with adjustable brass knob
- Weight: 1 lb 2 oz (0.51 kg)
- UL Listed



195FM

Model Number	Gas Service	Maximum Inlet Preset	Flowmeter Range	Inlet Connection	Outlet Connection
195FM	ARGON, AR/CO ₂ MIX	50 psi (3.5 bar)	25 LPM	1/4" NPT(M)	G 3/8" -RH(M)
195FM-5				5/8"-18RH(M)	G 3/8" -RH(M)
195FM-9				9/16"-18RH(F)	G 3/8" -RH(M)
195FM-7				7/8"-14RH(F)	G 3/8" -RH(M)

*Products can be ordered with German (DIN) connections . Please confirm when ordering.

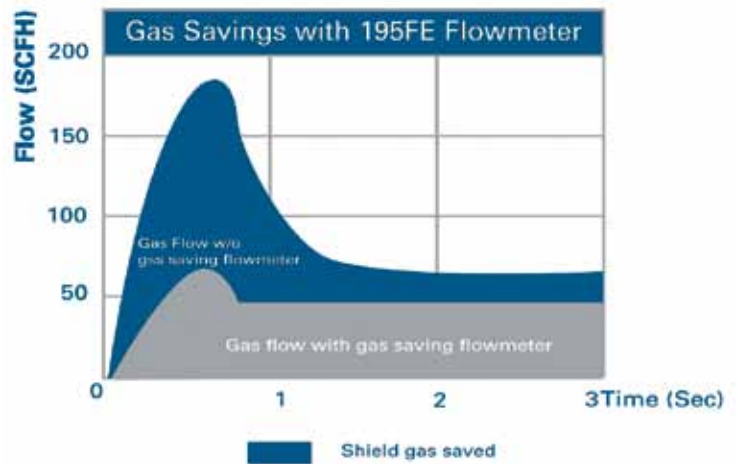
195AE-25L SERIES

Gas Saving Flowmeter Regulator Heavy Duty

Gas Welding & Cutting Apparatus

GENTEC® Gas Saving Flowmeter Regulators are designed to minimize the amount of shield gas wasted. The innovative design integrates a stabilizer onto the flowmeter providing constant pressure and flow.

How it Works: GENTEC®'s Gas Saving Flowmeter Regulator first reduces the supplied pressure to a set pressure. To help save gas, a built-in stabilizer is designed on the flowmeter to eliminate pressure fluctuations. For example, during the start of TIG/MIG applications, a gas surge results from the excess pressure in the supply hose. These surges are regarded as “wasted gas”. The Gas Saving Flowmeter Regulators use the built-in stabilizer on the flowmeter to reduce pressure surges while maintaining a constant pressure and flow, saving up to 50% of the gas*.



195AE-25L Gas Saving Flowmeter Regulator

- Regulator is preset at 50Psi
- Chrome-plated brass body machined from class “A” brass
- Single-stage regulator
- Polycarbonate flow tube and hood are impact resistant
- for maximum durability and service life
- Flowmeter is backpressure compensated to ensure accurate readings when line restrictions are present
- Calibrated for argon and 75% argon/25% CO2 mixed gases.
- Sintered bronze inlet filter
- Flowmeter with built-in stabilizer for gas saving
- Internal pressure relief design
- Gas saving range: 20-50%*
- 2” high-pressure gauge for easy reading
- Weight: 2 lbs 15 oz (1.33 kg)
- Optional BSP, JIS, DIN inlet connections are available



Model Number	Gas Service	Outlet Pressure Preset	Inlet Gauge	Flowmeter (SCFH)	Inlet Connection	Outlet Connection
195AE-25L	ARGON, AR/CO ₂ MIX	50 psi (3.5 bar)	2", 4000 psi (280 bar)	25LPM	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)

*Actual savings depend on specific requirements of welding operation

194CE & 195FE SERIES

Gas Welding & Cutting Apparatus

Electrically Heated Gas Saving Flowmeter Regulator & Gas Saving Flowmeter

194CE Series Electrically Heated Gas Saving Flowmeter Regulator for CO₂

- Thermostatically-controlled built-in electric heater keeps the CO₂ warm and provides a continuous duty cycle without freezing
- Regulator is preset at 50 psi (3.5 bar)
- Single-stage regulator
- Chrome-plated forged brass body and housing cap
- Flowmeter is back-pressure compensated to ensure accurate reading when line restrictions are present
- Sintered bronze inlet filter
- Flowmeter with built-in stabilizer for gas saving
- External relief valve
- Gas saving range: 20-50%*
- 2" high-pressure gauge for easy reading
- Weight: 4lbs 11oz (2.13 kg)



194CE

CAUTION: Use this regulator only with non-siphoned standard CO₂ cylinders

Model Number	Gas Service	Outlet Pressure	Inlet Gauge	Flowmeter	Inlet Connection*	Outlet Connection	Supply Voltage
194CE-25L-36	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 25 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	36VAC, 190W
194CE-25L-110	CARBON DIOXIDE	50 psi (3.5 bar)	2", 6000 psi (280 bar)	0 ~ 25 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	110VAC, 190W
194CE-25L-220	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 25 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	220VAC, 190W
194CE-50L-36	CARBON DIOXIDE	50 psi (3.5 bar)	2", 6000 psi (280 bar)	0 ~ 50 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	36VAC, 190W
194CE-50L-110	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 50 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	110VAC, 190W
194CE-50L-220	CARBON DIOXIDE	50 psi (3.5 bar)	2", 4000 psi (280 bar)	0 ~ 50 LPM	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)	220VAC, 190W

*Products can be ordered with German (DIN) connections . Please confirm when ordering.

195FE Gas Saving Flowmeter

- Built-in stabilizer for gas saving
- Chrome-plated brass body machined from class "A" brass
- Polycarbonate flow tube and hood are impact resistant for maximum durability and service life
- Backpressure compensated design ensures accurate readings when line restrictions are present
- Easy to "fine-tune" flow settings with adjustable stainless knob
- Working pressure: 50 psi
- Gas saving range: 20-50%*
- Weight: 1 lb 2 oz (0.51 kg)



195FE

Model Number	Gas Service	Maximum Inlet Preset (Psi)	Flowmeter (SCFH)	Inlet Connection	Outlet Connection
195FE	ARGON, CO ₂ AR/CO ₂ MIX	50 psi (3.5 bar)	0-25 LPM	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)

*Actual savings depend on specific requirements of welding operation

229, 230, 230HB SERIES

Ballon Filler Regulators

Gas Welding & Cutting Apparatus

229 Series "Economy Balloon Blower"

Model 229 "Economy Balloon Blower" features straight through construction, rugged brass body, and "Piston Type" mechanism.

- Hand tight CGA 580 inlet connection with sintered bronze inlet filter
- 1-1/2" rear entry color-coded cylinder contents gauge on Model 229G
- Weight w/o gauge: 11.9 oz (0.34 kg), w/gauge: 13.9 oz (0.4 kg)

Model Number	Inlet Connection	Inlet Gauge	Accessories
229	CGA580, HAND TIGHT	NONE	NONE
229G		1-1/2" 3000Psi REAR	



229



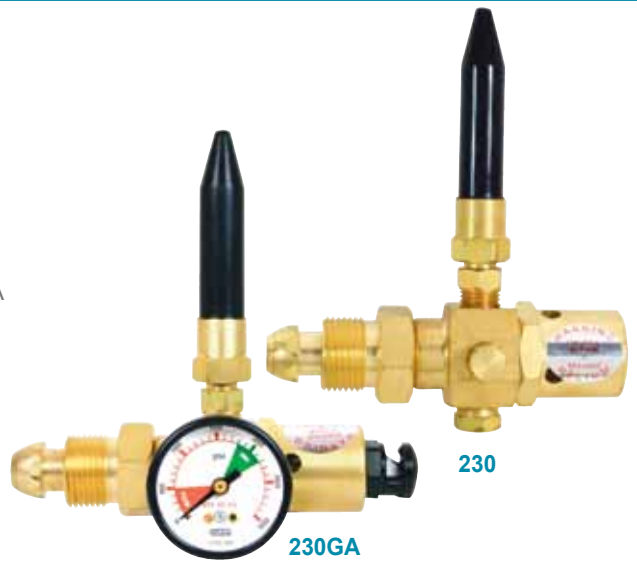
229G

230 Series "Balloon Blower"

Model 230 "Balloon Blower" features an all-rugged brass body, "Piston Type" mechanism, drilled and tapped for tie hook and string cutter. Body contains an additional 1/4" NPT port to accommodate a second filler valve if desired.

- Wrench tight CGA 580 inlet connection with sintered bronze filter valve
- 1-1/2" rear entry color-coded cylinder contents gauge on Model 230G, 230GA
- Weight w/o gauge: 1 lb 2 oz (0.51 kg), w/gauge: 1 lb 4 oz (0.57 kg)

Model Number	Inlet Connection	Inlet Gauge	Accessories
230	CGA580	NONE	NONE
230A			TIE HOOK, STRING CUTTER
230G		1-1/2" 3000Psi REAR	NONE
230GA			TIE HOOK, STRING CUTTER



230

230GA

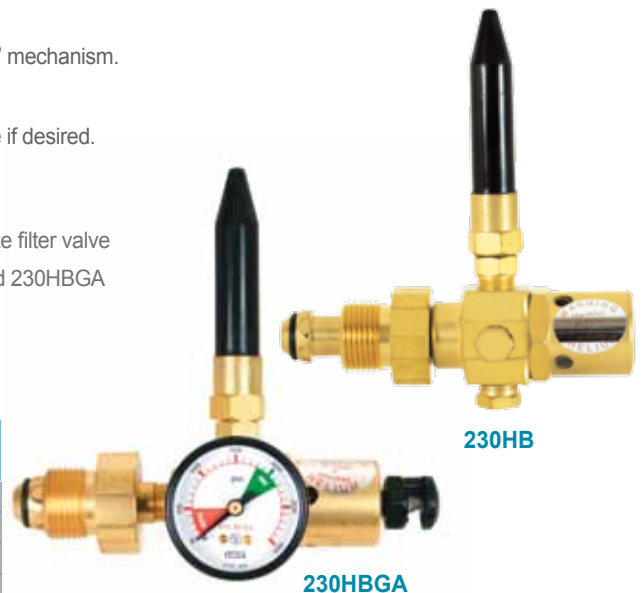
230HB Series "Balloon Blower"

Model 230HB "Balloon Blower" has an all-rugged brass body and, "Piston Type" mechanism. It is drilled and tapped for a tie hook and a string cutter.

Body contains an additional 1/4" NPT port to accommodate a second filler valve if desired.

- Combination wrench/hand tight CGA 580 inlet connection with sintered bronze filter valve
- 1-1/2" rear entry color-coded cylinder contents gauge on Model 230HBG, and 230HBGA
- Weight w/o gauge: 1 lb 2 oz (0.51 kg), w/gauge: 1 lb 4 oz (0.57 kg)

Model Number	Inlet Connection	Inlet Gauge	Accessories
230HB	CGA580	NONE	NONE
230HBA			TIE HOOK, STRING CUTTER
230HBG		1-1/2" 3000Psi REAR	NONE
230HBGA			TIE HOOK, STRING CUTTER



230HB

230HBGA

230H & 230HGMYA SERIES

Balloon Filler Regulators

Gas Welding & Cutting Apparatus

230H Series “Balloon Blower”

Model 230H “Balloon Blower” features an all-rugged brass body and a “Piston Type” mechanism. It is drilled and tapped for tie hook and string cutter. Body contains an additional 1/4” NPT port to accommodate a second filler valve if desired.

- Large plastic hand tight CGA 580 inlet connection with sintered bronze inlet filter
- 1-1/2” rear entry color-coded cylinder contents gauge on Model 230HG, and 230HGA
- Weight w/o gauge: 1 lb 6 oz (0.62 kg) w/gauge: 1 lb 8 oz (0.68 kg)

Model Number	Inlet Connection	Inlet Gauge	Accessories
230H	CGA580, HAND TIGHT	NONE	NONE
230HA			TIE HOOK, STRING CUTTER
230HG		1-1/2” 3000Psi REAR	NONE
230HGA			TIE HOOK, STRING CUTTER



230HGA

230HGMYA Mylar (Foil)/Latex Balloon Regulator

Model 230HGMYA is both a standard latex and auto-fill mylar balloon inflator. All-rugged brass body and “Piston-Type” mechanism. It is drilled and tapped for a tie hook and a ribbon cutter.

- Automatic shut-off mylar filler to prevent over filling and bursting of expensive mylar balloon
- Large plastic hand tight CGA 580 inlet connection with sintered bronze inlet filter
- Tie hook and string cutter are included
- 1-1/2” rear entry color-coded cylinder contents gauge

Model Number	Inlet Connection	Inlet Gauge	Accessories
230HGMYA	CGA580, HAND TIGHT	1-1/2” 3000Psi REAR	TIE HOOK, STRING CUTTER



230HGMYA

ACCESSORIES

Balloon Filler Regulator Accessories

Gas Welding & Cutting Apparatus

Replacement Parts

Model Number	Description
GR15-3MEF	CONTENTS GAUGE, 1-1/2"x 3000Psi, REAR ENTRY
RB236	TIE HOOK, STAINLESS STEEL
RB237	STRING CUTTER
RP-2HP	BODY PLUG, 1/8"NPT
RP-4HP	BODY PLUG, 1/4"NPT



GR15-3MEF



RB236



RB237



RP-2HP



RP-4HP

Replacement Valves

Model Number	Description
RB234	TILT VALVE WITH 1/4" NPT FEMALE INLET
RB232	TILT VALVE WITH 1/4" NPT MALE BUSHING
RB205-1V	TILT VALVE WITH 1/4" NPT MALE INLET
RB205-2V	TILT VALVE WITH MYLAR TIP, WITH 1/4" NPT MALE INLET
RB205-1FV	REPLACEMENT MYLAR TIP FOR TILT VALVE
RB205-1P	PUSH VALVE, WITH 1/4" NPT MALE INLET



RB234



RB232



RB205-1V



RB205-2V



RB205-1FV



RB205-1P

Tips for RB205-1P Push Valve

Model Number	Description
RB205-1BT	LARGE LATEX BALLOON TIP
RB205-1F	MYLAR BALLOON TIP
RB205-1L	LATEX BALLOON TIP ATTACHMENT
RB205-1N	NEEDLE VALVE TIP (M)
RB205-1X	MIXER TIP, 60% HELIUM / 40% AIR



RB205-1BT



RB205-1L



RB205-1X



RB205-1F



RB205-1N

NITROGEN TIRE INFLATION KITS

Nitrogen Tire Inflation Kits & Accessories

Gas Welding & Cutting Apparatus

GENTEC® Nitrogen Tire Inflation Kits allow for easy and cost effective filling of automobile and truck tires with pure nitrogen. The kits are portable, easy to operate, and conform to the specifications and requirements of UL, DOT, and OSHA.

Compressed Nitrogen Gas, a dry inert gas, allows tires to last longer, perform better, and function with a greater degree of reliability than tires inflated with standard compressed air. Its large-sized molecule helps with tire pressure retention, leads to more uniform tire wear, and allows for better gas mileage. Also, it has a low thermal expansion coefficient that minimizes heat damage from pressure changes.

The GENTEC® Nitrogen Tire Inflation Kits include a 12" hose whip end, high pressure nitrogen regulator, dial pressure gauge with reset purge valve, and 12 ft. coiled hose. The kits are also available with 20 or 40 cu. ft. nitrogen cylinders in steel carrying stand.

Nitrogen Tire Inflation Kits

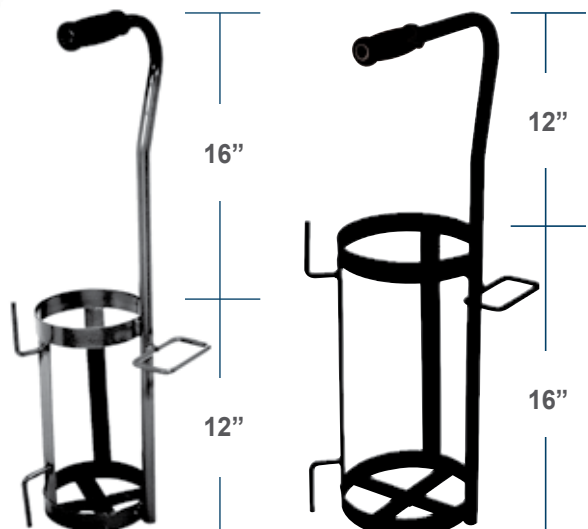
Model Number	Content
GKNT	• HQ14-012 12 FT. COILED PNEUMATIC HOSE
	• TW146 WHIP END
	• TF7000 INFLATION HANDLE
	• 452IN-175-WO NITROGEN REGULATOR
GKNT20-TC	• GKNT KIT
	• CY20-580 20 CU. FT. TANK, EMPTY • CRT20N CYLINDER CARRYING STAND
GKNT20-T	• GKNT KIT
	• CRT20N CYLINDER CARRYING STAND
GKNT40-TC	• GKNT KIT
	• CY40-580 40 CU. FT. TANK, EMPTY • CRT40N CYLINDER CARRYING STAND
	• GKNT KIT
GKNT40-T	• CRT40N CYLINDER CARRYING STAND



Tire Kit Accessories



Model Number	Description
TW146	12" HOSE WITH WHIP END
452IN-175-WO	NITROGEN REGULATOR
TF7000	TIRE INFLATION HANDLE WITH GAUGE
HQ14-012	12FT. COILED PNEUMATIC HOSE
CRT20N	20 CU. FT. CYLINDER CARRYING STAND
CAT40N	40 CU. FT. CYLINDER CARRYING STAND
CY20-580	20 CU. FT. CYLINDER, EMPTY
CY40-580	40 CU. FT. CYLINDER, EMPTY



REGULATOR ACCESSORIES

Pressure Gauges

Gas Welding & Cutting Apparatus

GENTEC® Pressure Gauges are manufactured to meet strictly regulated quality standards (UL404 and ANSI/ASME B40.1) and provide accuracy & reliability for use in O.E.M. and replacement applications. GENTEC® brass gauges are offered in both single scale (Psi) and dual scale (Psi & kPa) to fulfill a wide variety of applications.



G20B-200 (p/k)

2" Brass Case, Dual Scale, psi/kPa					
1/4" NPT Inlet					
Model Number	Scale Ranges psi (kPa)	Entry Type	Model Number	Scale Ranges psi (kPa)	Entry Type
G20B-030RL	0~30 (200) RED	Side	G20B-400	0~400 (2800)	Side
G20B-050CF	0~50SCFH (25LPM)	Side	G20B-600	0~600 (4200)	Side
G20B-060	0~60 (400)	Side	G20B-1500	0~1500 (10000)	Side
G20B-100	0~100 (700)	Side	G20B-3000	0~3000 (20000)	Side
G20B-100CF	0~100SCFH (50LPM)	Side	G20B-4000	0~4000 (28000)	Side
G20B-200	0~200 (1400)	Side	G20B-4500	0~4500 (30000)	Side
G20B-300	0~300 (2000)	Side	G20B-6000	0~6000 (42000)	Side

2" Nickel Plating, Dual Scale, psi/kPa							
1/4" NPT Inlet							
Model Number	Scale Ranges psi (kPa)	Entry Type	Plating	Model Number	Scale Ranges psi (kPa)	Entry Type	Plating
G20P-30	0~30 (200)	Side	Nickel Plating	G20P-3000	0~3000 (20000)	Side	Nickel Plating
G20P-060	0~60 (400)	Side	Nickel Plating	G20P-4000	0~4000 (28000)	Side	Nickel Plating
G20P-100	0~100 (700)	Side	Nickel Plating	G20P-6000	0~6000 (42000)	Side	Nickel Plating
G20P-160	0~160 (1100)	Side	Nickel Plating	G20P-V15	-30 in.Hg~15 (100)	Side	Nickel Plating
G20P-200	0~200 (1400)	Side	Nickel Plating	G20P-V30	-30 in.Hg~30 (200)	Side	Nickel Plating
G20P-300	0~300 (2000)	Side	Nickel Plating	G20P-V60	-30 in.Hg~60 (400)	Side	Nickel Plating
G20P-600	0~600 (4200)	Side	Nickel Plating	G20P-V100	-30 in.Hg~100 (700)	Side	Nickel Plating
G20P-1000	0~1000 (7000)	Side	Nickel Plating				

2" Steel Case, Dual Scale, psi/kPa							
1/4" NPT Inlet							
Model Number	Scale Ranges psi (kPa)	Entry Type	Plating	Model Number	Scale Ranges psi (kPa)	Entry Type	Plating
G20-030RL	0~30 (200) RED	Side	Gold Plating	G20-400	0~400 (2800)	Side	Gold Plating
G20-050CF	0~50SCFH (25LPM)	Side	Gold Plating	G20-600	0~600 (4200)	Side	Gold Plating
G20-060	0~60 (400)	Side	Gold Plating	G20-1500	0~1500 (10000)	Side	Gold Plating
G20-100	0~100 (700)	Side	Gold Plating	G20-3000	0~3000 (20000)	Side	Gold Plating
G20-160	0~160 (1100)	Side	Gold Plating	G20-4000	0~4000 (28000)	Side	Gold Plating
G20-200	0~200 (1400)	Side	Gold Plating	G20-4500	0~4500 (30000)	Side	Gold Plating
G20-300	0~300 (2000)	Side	Gold Plating	G20-6000	0~6000 (42000)	Side	Gold Plating



G20B-600 (p/b)

2" Nickel Plating, Dual Scale, psi/bar							
1/4" NPT Inlet							
Model Number	Scale Ranges psi (bar)	Entry Type	Plating	Model Number	Scale Ranges psi (bar)	Entry Type	Plating
G20P-30p/b	0~30 (2)	Side	Nickel Plating	G20P-600P/b	0~600 (42)	Side	Nickel Plating
G20P-60p/b	0~60 (4)	Side	Nickel Plating	G20P-1000P/b	0~1000 (70)	Side	Nickel Plating
G20P-100p/b	0~100 (7)	Side	Nickel Plating	G20P-2000P/b	0~2000 (140)	Side	Nickel Plating
G20P-160p/b	0~160 (11)	Side	Nickel Plating	G20P-3000P/b	0~3000 (210)	Side	Nickel Plating
G20P-200p/b	0~200 (14)	Side	Nickel Plating	G20P-4000P/b	0~4000 (280)	Side	Nickel Plating
G20P-300p/b	0~300 (20)	Side	Nickel Plating				

REGULATOR ACCESSORIES

Pressure Gauges

Gas Welding & Cutting Apparatus



G20B-600 (p/b)

2" Steel Case, Dual Scale, psi/bar 1/4" NPT Inlet

Model Number	Scale Ranges psi (bar)	Entry Type	Plating	Model Number	Scale Ranges psi (bar)	Entry Type	Plating
G20-30p/b	0~30 (2)	Side	Gold Plating	G20-600p/b	0~600 (42)	Side	Gold Plating
G20-60p/b	0~60 (4)	Side	Gold Plating	G20-1000p/b	0~1000 (70)	Side	Gold Plating
G20-100p/b	0~100 (7)	Side	Gold Plating	G20-2000p/b	0~2000 (140)	Side	Gold Plating
G20-160p/b	0~160 (11)	Side	Gold Plating	G20-3000p/b	0~3000 (210)	Side	Gold Plating
G20-200p/b	0~200 (14)	Side	Gold Plating	G20-4000p/b	0~4000 (280)	Side	Gold Plating
G20-300p/b	0~300 (20)	Side	Gold Plating	G20-4500p/b	0~4500 (315)	Side	Gold Plating
G20-400p/b	0~400 (28)	Side	Gold Plating	G20-6000p/b	0~6000 (420)	Side	Gold Plating



G25B-4000 (p/k)

2-1/2" Brass Case, Dual Scale, psi\kPa 1/4" NPT Inlet

Model Number	Scale Ranges psi (kPa)	Entry Type	Model Number	Scale Ranges psi (kPa)	Entry Type
G25B-030RL	0~30 (200) RED	Side	G25B-1000	0~1000 (7000)	Side
G25B-60	0~60 (400)	Side	G25B-1500	0~1500 (10000)	Side
G25B-100	0~100 (700)	Side	G25B-3000	0~3000 (20000)	Side
G25B-200	0~200 (1400)	Side	G25B-4000	0~4000 (28000)	Side
G25B-300	0~300 (2000)	Side	G25B-4500	0~4500 (30000)	Side
G25B-400	0~400 (2800)	Side	G25B-6000	0~6000 (42000)	Side
G25B-600	0~600 (4200)	Side			



G25B-400 (p/b)

2-1/2" Steel Case, Dual Scale, psi\kPa 1/4" NPT Inlet

Model Number	Scale Ranges psi (kPa)	Entry Type	Model Number	Scale Ranges psi (kPa)	Entry Type
G25-030RL	0~30 (200) RED	Side	G25-400	0~400 (2800)	Side
G25-200	0~200 (1400)	Side	G25-4000	0~4000 (28000)	Side
G25-300	0~300 (2000)	Side			

2-1/2" Brass Case, Dual Scale, psi\bar 1/4" NPT Inlet

Model Number	Scale Ranges psi (bar)	Entry Type	Model Number	Scale Ranges psi (bar)	Entry Type
G25B-30p/b	0~30 (2)	Side	G25B-1000p/b	0~1000 (70)	Side
G25B-100p/b	0~100 (7)	Side	G25B-3000p/b	0~3000 (210)	Side
G25B-200p/b	0~200 (14)	Side	G25B-4000p/b	0~4000 (280)	Side
G25B-400p/b	0~400 (28)	Side	G25B-6000p/b	0~6000 (420)	Side
G25B-600p/b	0~600 (42)	Side			

REGULATOR ACCESSORIES

CGA Adapters

Gas Welding & Cutting Apparatus



152X-125G



GP31X
OXYGEN



GP31Y
ACETYLENE



GP20X
OXYGEN

GP20Y
ACETYLENE

GENTEC® Gauge Protectors are designed for Industrial Gas Regulators to reduce potential damages to pressure gauges

- Made with durable steel construction except for GP20X and GP20Y models, which are made with durable rubber
- Color coded: green for oxygen regulators and red for fuel gas regulators
- Powder-coated finish for steel models
- Regulator is not included but can also be ordered with a gauge protector attached (see items listed below)

NOTE: Gauge Protectors are not designed to replace or alleviate the need for proper cylinder storage systems. Cylinders should always be used and stored in conjunction with local and OSHA requirements. Consult with your Safety Department or Cylinder Gas supplier for additional information.

Model Number	Gas	Color	Fit Regulator*	Regulator w/ Gauge Protector
GP20X	OXYGEN	BLUE	210X-80	210X-80G
GP20Y	ACETYLENE	RED	210Y-15	210Y-15G
GP21X	OXYGEN	BLUE	152X-80	152X-80G
			152TX-80	152TX-80G
			752X-80	752X-80G
GP21Y	ACETYLENE	RED	152Y-15	152Y-15G
			152TY-15	152TY-15G
			752Y-15	752Y-15G
GP31X	OXYGEN	BLUE	153X-125	153X-125G
			153TX-125	153TX-125G
GP31Y	ACETYLENE	RED	153Y-15	153Y-15G
			153TY-15	153TY-15G
GP32X	OXYGEN	BLUE	853X-125	853X-125G
			753X-125	753X-125G
			453X-175	453X-175G
GP32Y	ACETYLENE	RED	853Y-15	853Y-15G
			753Y-15	753Y-15G
			453Y-15	453Y-15G

*Please refer to GENTEC® SILVER SERIES GAS WELDING & CUTTING APPARATUS brochure (Catalog No. BR-SILVER2008) for information of 752 and 753 series regulators

REGULATOR ACCESSORIES

Gauge Protectors

Gas Welding & Cutting Apparatus

ACETYLENE TO ACETYLENE



24-0015

Cylinder cga 510 "POL"
Regulator cga 300 "comm"
reference No: 15

ACETYLENE TO ACETYLENE



24-0016

Cylinder cga 300 "comm"
Regulator cga 510 "pol"
reference No: 16

ACETYLENE TO ACETYLENE



24-0051

Cylinder cga 510 "POL"
Regulator cga 300 "comm"
reference No: 51

ACETYLENE TO ACETYLENE



24-0061

Cylinder cga 300 "comm"
Regulator cga 510 "POL"
reference No: 61

ACETYLENE TO ACETYLENE



24-0306

Cylinder cga 520 "b"
Regulator cga 200 "mc"
reference No: 306

ACETYLENE TO ACETYLENE



24-0314

Cylinder cga 200 "mc"
Regulator cga 520 "B"
reference No: 314

ACETYLENE TO ACETYLENE



24-0315

Cylinder cga 510 "POL"
Regulator cga 520 "b"
reference No: 315

ACETYLENE TO ACETYLENE



24-0317

Cylinder cga 520 "B"
Regulator cga 510 "pol"
reference No: 317

ACETYLENE TO ACETYLENE



24-0318

Cylinder cga 520 "b"
Regulator cga 510 "pol"
reference No: 318

ACETYLENE TO ACETYLENE



24-0319

Cylinder cga 520 "B"
Regulator cga 300 "comm"
reference No: 319

ACETYLENE TO ACETYLENE



24-0321

Cylinder cga 200 "mc"
Regulator cga 510 "pol"
reference No: 321

INERT GAS TO OXYGEN



24-0415

Cylinder cga 580
Regulator cga 540
reference No: 415

CO₂ TO INERT GAS



24-0806

Cylinder cga 320
Regulator cga 580
reference No: 806

INERT GAS TO CO₂



24-0810

Cylinder cga 580
Regulator cga 320
reference No: 810

ACETYLENE TO ACETYLENE



24-1690

Cylinder cga 300 "comm"
Regulator cga 510 "POL"
reference No: 1690

SELECTION TABLE

From Cylinder Service	To Regulator Service	Model Number
CGA 200 "MC" ACETYLENE	CGA 510 "POL" ACETYLENE 90°	24-0321
CGA 200 "MC" ACETYLENE	CGA 520 "B" ACETYLENE	24-0314
CGA 300 "COMM" ACETYLENE	CGA 510 "POL" ACETYLENE 90°	24-1690
CGA 300 "COMM" ACETYLENE	CGA 510 "POL" ACETYLENE	24-0016
CGA 300 "COMM" ACETYLENE	CGA 510 "POL" ACETYLENE 1 PIECE	24-0061
CGA 320 CARBON DIOXIDE	CGA 580 INERT GAS	24-0806
CGA 510 "POL" ACETYLENE	CGA 300 "COMM" ACETYLENE	24-0015
CGA 510 "POL" ACETYLENE	CGA 300 "COMM" ACETYLENE 1 PIECE	24-0051
CGA 510 "POL" ACETYLENE	CGA 520 "B" ACETYLENE	24-0315
CGA 520 "B" ACETYLENE	CGA 300 "COMM" ACETYLENE	24-0319
CGA 520 "B" ACETYLENE	CGA 200 "MC" ACETYLENE	24-0306
CGA 520 "B" ACETYLENE	CGA 510 "POL" ACETYLENE	24-0317
CGA 520 "B" ACETYLENE	CGA 510 "POL" ACETYLENE 90°	24-0318
CGA 580 INERT GAS	CGA 320 CARBON DIOXIDE	24-0810
CGA 580 INERT GAS	CGA 540 OXYGEN	24-0415

HOSE REPAIR KITS & CRIMPING TOOLS



CK-1SP



CK-20SP



CK-22SP



CK-24SP



CK-26SP

GENTEC® **Hose Repair Kits** are designed and outfitted to allow timely hose repair in the shop or in the field. A tough polyethylene case holds the components: Hose nuts and nipples (A & B sizes), splicers, couplers, and various size ferrules most commonly used on 3/16" and 1/4" hose. Kits are equipped with 2 types of tools (see below). A display card with the fitting numbers and the compartment location is on case lid for added convenience in selecting and reordering.

KITS WITH "A" AND "B" TYPE FITTING - ITEM NUMBERS INCLUDED IN KITS																		
Model Number	#C-1	#C-5	#7	#8	#9	#10	#17	#18	#19	#30	#31	#44	#45	#130	#131	#769	#7325	7326
CK-1SP	1	--	8	8	4	4	10	6	8	1	1	4	2	1	1	12	10	10
CK-5SP	--	1	8	8	4	4	10	6	8	1	1	4	2	1	1	12	10	10

KITS WITH "B" TYPE FITTING ONLY - ITEM NUMBERS INCLUDED IN KITS														
Model Number	#C-1	#C-5	#7	#8	#17	#18	#30	#31	#44	#45	#769	#4750	#7325	#7326
CK-20SP	1	--	6	6	6	6	2	2	4	4	8	6	6	8
CK-24SP	--	1	6	6	6	6	2	2	4	4	8	6	6	8

KITS WITH 1/4" FITTING ONLY - ITEM NUMBERS INCLUDED IN KITS													
Model Number	#C-1	#C-5	#7	#8	#17	#30	#31	#44	#3588	#7325	#7326	#9940-P	
CK-22SP	1	--	6	6	12	2	2	4	6	4	12	3	
CK-26SP	--	1	6	6	12	2	2	4	6	4	12	3	

Crimping Tools

GENTEC® **Crimping Tools** are ideal for shop and field repair of hoses. They are made from high alloy and nickel-plated steel. A one-piece forged jaw provides superior strength.

Model Number	Description
C-1	3/16", 1/4" HAMMER OR VISE TYPE
C-5	3/16", 1/4" V-GRIP PLIER TYPE



C-1



C-5

Tip Cleaners

GENTEC® “Wire-O” Tip Cleaner Sets feature blue anodized aluminum cover and stainless steel wire tapered ends for easy entry and uniform ridges for optimum cleaning. “Wire-O” standard size cleaners are 5/8” longer for more efficient cleaning of longer channels. “Wire-O” cleaners are excellent for cleaning clogged orifices in sprinklers, shower heads, gas range burners, and windshield washers, etc.



Model Number	Description	Number of Wires	Wire Length	Wire Sizes	Drill Sizes
25-120	STANDARD	13	2-3/4"	6-26	77-49
25-121	MASTER	21	2-3/4"	1-21	77-49
25-122	JUMBO	9	2-3/4"	13-21	77-49
25-130	KING SIZE	13	4-1/2"	6-26	77-49

Cylinder Wrenches

GENTEC® Cylinder Wrenches are drop forged, special alloy steel for maximum durability. Their “Baked” black powder-coated finish prevents rusting and enhances their appearance. The No. 5 “B” MC Key, is cadmium-plated (silver in color), and also prevents rusting.



Model Number	Description	Equivalent Number
27-1013	TEN MOUTH; 10 WAY CGA WRENCH W/SOCKET FOR COMMERCIAL ACETYLENE: 3/8" SOCKET (ACTUAL .390)	A-1013
27-1013L	NINE MOUTH; 9 WAY CGA WRENCH FOR NON-FUEL GAS & LINDE TYPE ACETYLENE GAS USERS	N/A
27-0005	B-KEY; 3-1/8" LONG BOX WRENCH FOR B & MC CYLINDERS; 3/16" BOX (ACTUAL .194), CADMIUM-PLATED	5

Twin Welding Hoses (9/16"-18 B Fitting)



HW23-T020

Model Number	Hose I.D.	Hose Length	Grade
HW23-012	3/16"	12.5"	R
HW23-T015	3/16"	15'	T
HW23-T020	3/16"	20'	T
HW24-T020	1/4"	20'	T
HW24-T025	1/4"	25'	T
HW24-050	1/4"	50'	R

Twin Welding Hoses (G 1/8" Fitting)



Model Number	Hose I.D.	Hose Length	Grade
HW23G-012	3/16"	12.5"	R
HW23G-T015	3/16"	15'	T
HW23G-T020	3/16"	20'	T
HW24G-T020	1/4"	20'	T
HW24G-T025	1/4"	25'	T
HW24G-050	1/4"	50'	R

Welding Goggles & Cup Goggles



WELDING GOGGLES
9-WG1P



FIXED FRONT
WELDING GOGGLES
20-1775-5



FIXED FRONT
CUP STYLE GOGGLES
20-1675-5



CUP GOGGLES
9-WG6G



LIFT FRONT
WELDING GOGGLES
20-1710-5



LIFT FRONT
CUP STYLE GOGGLES
20-1610-5

Strikers



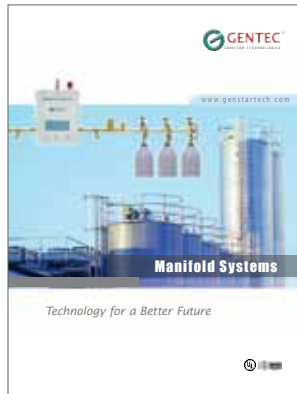
SINGLE FLINT SPARK LIGHTER
25-300



Triple FLINT SPARK LIGHTER
25-450



Gas Apparatus Solutions Overview



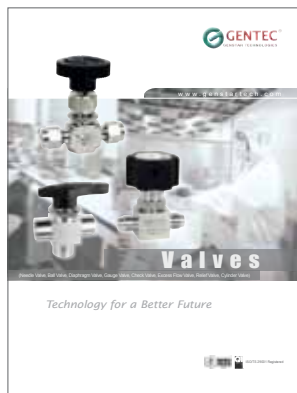
Manifold Systems



Specialty Gas Manifolds



HVAC



Valves



Tubing Fittings

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