



## ***INDUSTRIAL GAS APPARATUS***

Regulators & Flow Control Equipment • Welding Accessories • Pressure Gauges

*Technology for a Better Future*

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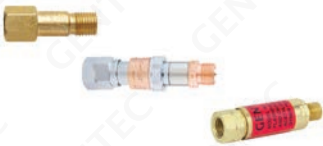
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THE BEST WARRANTY IN THE BUSINESS

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.

Any 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 by Genstar Technologies Company or designated service facilities of GENTEC®. 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, whether 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 in1969, 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, electropolishing 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.

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"<br>20.6 lbs. | 142T         | 142C               | 152X-80G (OXY.)<br>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"<br>19.8 lbs. | 142T         | 142C               | 152X-80G (OXY.)<br>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"
- 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



| 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"<br>23.3 lbs. | 143T         | 143CA              | 853X-125 (OXY.)<br>853Y-15 (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"
- 20' T-grade twin hoses
- 1221 is equipped with 24-CV7PR Torch End Check Valves
- Victor® Super Range® II equivalent



| 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 |
| 1221          | 21"x19"x9"<br>21.5 lbs. | 142T         | 142C               | 853X-125 (OXY.)<br>853Y-15 (ACET.) | 172C-0      | 172W-2         | 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

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



| 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"<br>28 lbs. | 143T         | 143CA              | 153X-125G (OXY.)<br>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



| 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"<br>29 lbs. | 143T         | 143CA              | 153X-125G (OXY.)<br>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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GOLD SERIES 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                          | Cutting Tip | Welding Nozzle | Twin Hoses | Goggles | Striker | Plastic Carrier | Cylinders Oxygen / Acetylene |
|--------------|----------------------------|--------------|--------------------|-------------------------------------|-------------|----------------|------------|---------|---------|-----------------|------------------------------|
| 12-PT        | 24.5"x11"x11"<br>13.4 lbs. | 142T         | 142C               | 210X-80G (OXY.)<br>210Y-15G (ACET.) | 172C-0      | 172W-1         | HW23-T012  | 9-WG6G  | 25-300  | CRT10           | N/A                          |
| 12-PTC       | 24.5"x11"x11"<br>36 lbs.   |              |                    |                                     |             |                |            |         |         |                 | CY20-540 / CY10-MC           |
| 12-PTCSP     | 24.5"x11"x11"<br>36.4 lbs. |              |                    |                                     |             |                |            |         |         |                 |                              |

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13-OS Series Cutting Outfits



13-OS

- Can cut up to 8"
- Ideal for industrial & commercial application
- Great for users who prefer the "combo" torch handle and cutting attachment, which offers a sensitive touch control of the cutting oxygen valve
- Welding and heating nozzles can also be utilized
- Victor® Journeyman® "Select" compatible
- Outfits equipped with check valves or flashback arrestors

| Model Number | Torch Handle | Cutting Attachment | Regulators Oxygen / Acetylene | Check Valves        |
|--------------|--------------|--------------------|-------------------------------|---------------------|
|              |              |                    |                               | Flashback Arrestors |
| 13-OS        | 143T         | 143CA              | 153X-125 / 153Y-15            | 24-CV7PR            |
| 13-OSFA      |              |                    |                               | FA7TPR              |
| 13-OSA       | 143T         | 143ACA             | 153X-125 / 153Y-15            | 24-CV7PR            |
| 13-OSAF      |              |                    |                               | FA7TPR              |

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7120  
Medium Duty Outfit for General Purposes

- Can weld up to 1/4" and cut up to 1/2"
- Ideal for ship building, construction, petroleum and chemical industries
- Optional tips are available to weld up to 1-1/4" and cut up to 6"
- 17.5' T-grade twin hoses
- 7120 is equipped with 24-CV7PR Torch End Check Valves
- 7120FA is equipped with FA7TPR Flashback Arrestors, which include built-in check valves



| Model Number* | Torch Handle | Cutting Attachment | Regulators                        | Cutting Tip | Welding Nozzles | T-Grade Twin Hoses | Goggles | Striker | Check Valves        |
|---------------|--------------|--------------------|-----------------------------------|-------------|-----------------|--------------------|---------|---------|---------------------|
|               |              |                    |                                   |             |                 |                    |         |         | Flashback Arrestors |
| 7120          | 142T         | 142CA              | 752X-80 (OXY.)<br>752Y-15 (ACET.) | 172C-0      | 172W-2          | HW23-T018          | 9-WG1P  | 25-300  | 24-CV7PR            |
| 7120FA        |              |                    |                                   |             |                 |                    |         |         | FA7TPR              |

7130  
Heavy Duty Outfit for Industrial & Commercial Applications

- Can weld up to 1/2" and cut up to 3/4"
- Ideal for industrial and commercial applications
- Optional tips are available to weld up to 3" and cut up to 8"
- 17.5' T-grade twin hoses
- 7130 is equipped with 24-CV7PR Torch End Check Valve
- 7130FA is equipped with FA7TPR Flashback Arrestors, which include built-in check valves



| Model Number* | Torch Handle | Cutting Attachment | Regulators                         | Cutting Tip | Welding Nozzle | T-Grade Twin Hoses | Goggles | Striker | Check Valves        |
|---------------|--------------|--------------------|------------------------------------|-------------|----------------|--------------------|---------|---------|---------------------|
|               |              |                    |                                    |             |                |                    |         |         | Flashback Arrestors |
| 7130          | 143T         | 143C               | 753X-125 (OXY.)<br>753Y-15 (ACET.) | 173C-1      | 173W-2         | HW24-T018          | 9-WG1P  | 25-300  | 24-CV7PR            |
| 7130FA        |              |                    |                                    |             |                |                    |         |         | FA7TPR              |

SILVER SERIES TOTE A TORCH 72-PTC  
Light/Medium Duty Tote-A-Torch for Repair, Maintenance and HVAC

- Can weld up to 3/16" and cut up to 1/2".
- Rear entry regulators provide better balance on the small cylinders. The Acetylene regulator has a MC CGA200 inlet connection and the oxygen regulator has the standard CGA540 connection
- The carrier is made of tough and lightweight polypropylene
- Optional tips are available to weld up to 1-1/4" and cut up to 6"
- CRT10 Carrier
- 72-PT and 72-PTC are equipped with 24-CV7PR Torch End Check Valves
- 72-PT-FA and 72-PTC-FA are equipped with FA7TPR Flashback Arrestors
- 72-PTC and 72-PTC-FA are equipped with cylinders



| Model Number | Torch Handle | Cutting Attachment | Regulators                        | Cutting Tip | Welding Nozzle | R-Grade Twin Hoses | Goggles | Striker | Plastic Carrier | Tank Wrench | Cylinders Oxygen/ Acetylene |
|--------------|--------------|--------------------|-----------------------------------|-------------|----------------|--------------------|---------|---------|-----------------|-------------|-----------------------------|
| 72-PT        | 142T         | 142C               | 710X-80 (OXY.)<br>710Y-15 (ACET.) | 172C-0      | 172W-1         | HW23-012           | 9-WG1P  | 25-300  | CRT10           | 27-0005     | N/A                         |
| 72-PT-FA     |              |                    |                                   |             |                |                    |         |         |                 |             | CY20-540/CY10-MC            |
| 72-PTC       |              |                    |                                   |             |                |                    |         |         |                 |             |                             |
| 72-PTC-FA    |              |                    |                                   |             |                |                    |         |         |                 |             |                             |

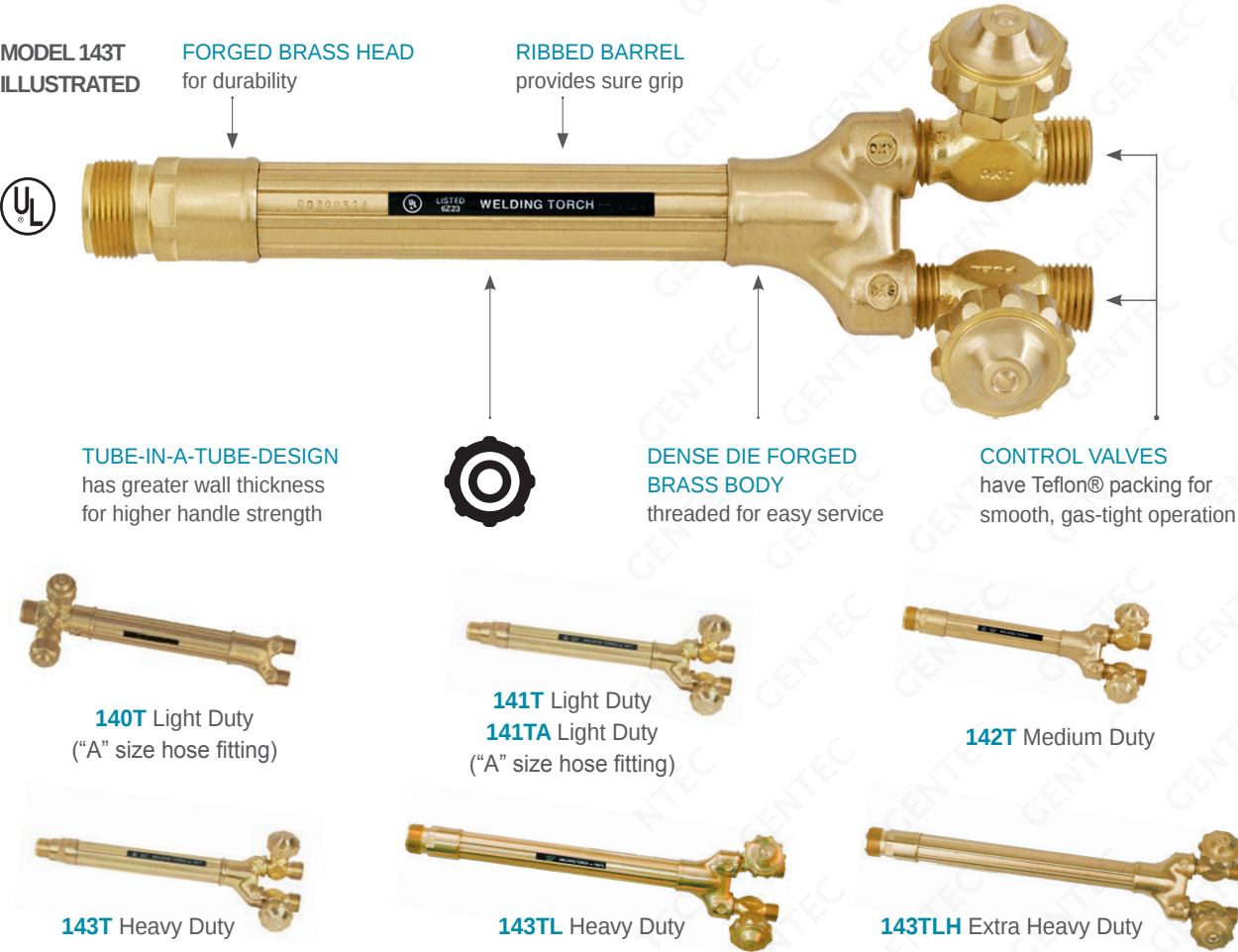
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TORCH HANDLES

Industrial Gas 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



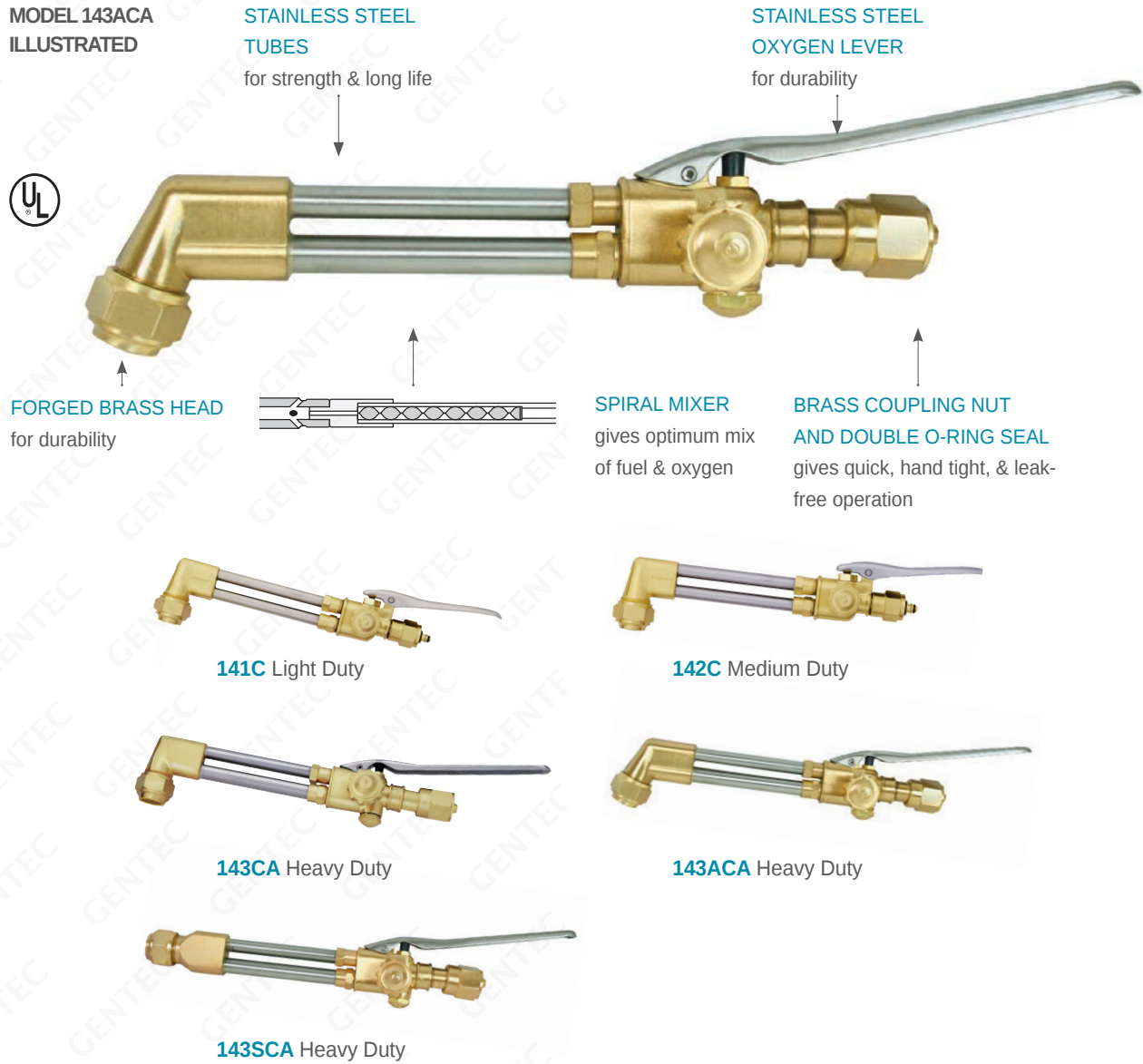
| Model Number | Welding Range | Weight / Length       | Victor® Equivalent | Uses Cutting Attachment   | Uses Welding Nozzle                                                         | Uses Heating Nozzle            |
|--------------|---------------|-----------------------|--------------------|---------------------------|------------------------------------------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

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CUTTING ATTACHMENTS

Industrial Gas Apparatus

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 PSIG & above).

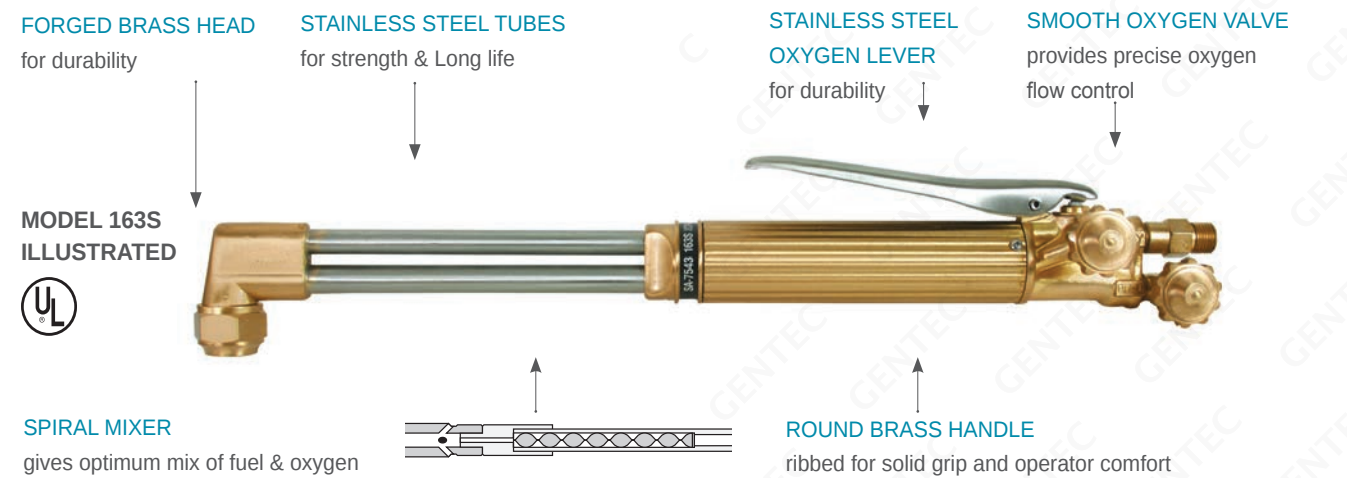


| Model Number | Cutting Range | Head Angle | Weight / Length         | Victor® Equivalent | Uses Torch Handle         | Uses Cutting Tip                           |
|--------------|---------------|------------|-------------------------|--------------------|---------------------------|--------------------------------------------|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

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HAND CUTTING TORCHES

Industrial Gas Apparatus



GENTEC® Hand Cutting Torches are machined from high-quality forged brass and stainless steel components. 162 Series have a triangular tube arrangement and an in-head mixer. 163 Series feature drop-in tube mixer design.

162 Series



**162S-17** 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<br>173CP, 173CM<br>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                                   |
|--------------|---------------|------------|-----------------|--------------------|----------------------------------------------------|
| 163L-21      | 14"           | 90°        | 3.3 lbs. / 21"  | ST1600C (ST2600)   | 173C<br>173CN<br>173CP<br>173CM<br>173CG<br>173CGN |

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

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CHECK VALVES & QUICK CONNECTORS

Industrial Gas Apparatus

Check Valves

**Torch End Check Valves**

**24-CV5PR Pair**

OXYGEN 24-CV5TO FUEL 24-CV5TF

**Torch End Check Valves**

**24-CV7PR Pair**

OXYGEN 24-CV7TO FUEL 24-CV7TF

**Regulator Bushing Check Valves**

**24-CV8PR Pair**

OXYGEN 24-CV8RO FUEL 24-CV8RF

**Regulator Bushing Adapter Check Valves**

**24-CV9PR Pair**

OXYGEN 24-CV9RO FUEL 24-CV9RF

GENTEC® Check Valves prevent reverse flow of gases which can cause dangerous mixtures. Choose from four styles to fit your needs: 24-CV5 series check valves are attached to the torch ends with "A" size fittings; 24-CV7 series check valves are attached to the torch ends with "B" size fittings; 24-CV8 series check valves replace the standard "B" size outlet bushings on regulators; 24-CV9 series check valves attach to the "B" size outlet bushings on the regulators.

Note: Check valves are not flashback arrestors and should not be used as such! Whichever check valve type you may choose, torch end, regulator bushing, or regulator bushing adapter, GENTEC® recommends the use of check valves between the torch and the regulator at all times.

Quick Connectors

**Regulator-To-Hose Pair**  
QC-RHPR-A (A FITTING)  
QC-RHPR (B FITTING)

FUEL QC-RHF-A (A FITTING) QC-RHF (B FITTING) OXYGEN QC-RHX-A (A FITTING) QC-RHX (B FITTING)

**Hose-To-Hose Quick Pair**  
QC-HHPR-A (A FITTING)  
QC-HHPR (B FITTING)

FUEL QC-HHF-A (A FITTING) QC-HHF (B FITTING) OXYGEN QC-HHX-A (A FITTING) QC-HHX (B FITTING)

**Hose-To-Torch Pair**  
QC-HTPR (B FITTING)

FUEL QC-HTF (B FITTING) OXYGEN QC-HTX (B FITTING)

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

- 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, 145 PSI for oxygen
  - Gas must be shut off at regulators when disconnected
- Color-coded for fast, efficient, and safe handling
  - Cannot be released with a straight pull. Complies with OSHA 29CFR 1915.55 (f)(5) and 1926.350(f)(5)
  - 9/16"-18 (B Fitting) connections for all models
  - 3/8"-24 (A Fitting) for Regulator-To-Hose and Hose-To-Hose models

| Type                                   | Pair Model Number | Single Model Number | Gas Service | Component Model Number (Female Socket/Male Plug) | Connection |
|----------------------------------------|-------------------|---------------------|-------------|--------------------------------------------------|------------|
| Regulator To Hose (A Fitting 3/8"-24)  | QC-RHPR-A         | QC-RHF-A            | Fuel        | QC-RHF-F-A / QC-RHF-M-A                          | 3/8"-24LH  |
|                                        |                   | QC-RHX-A            | Oxygen      | QC-RHX-F-A / QC-RHX-M-A                          | 3/8"-24RH  |
| Hose To Hose (A Fitting 3/8"-24)       | QC-HHPR-A         | QC-HHF-A            | Fuel        | QC-HHF-F-A / QC-HHF-M-A                          | 3/8"-24LH  |
|                                        |                   | QC-HHX-A            | Oxygen      | QC-HHX-F-A / QC-HHX-M-A                          | 3/8"-24RH  |
| Regulator To Hose (B Fitting 9/16"-18) | QC-RHPR           | QC-RHF              | Fuel        | QC-RHF-F / QC-RHF-M                              | 9/16"-18LH |
|                                        |                   | QC-RHX              | Oxygen      | QC-RHX-F / QC-RHX-M                              | 9/16"-18RH |
| Hose To Hose (B Fitting 9/16"-18)      | QC-HHPR           | QC-HHF              | Fuel        | QC-HHF-F / QC-HHF-M                              | 9/16"-18LH |
|                                        |                   | QC-HHX              | Oxygen      | QC-HHX-F / QC-HHX-M                              | 9/16"-18RH |
| Hose To Torch (B Fitting 9/16"-18)     | QC-HTPR           | QC-HTF              | Fuel        | QC-HTF-F / QC-HTF-M                              | 9/16"-18LH |
|                                        |                   | QC-HTX              | Oxygen      | QC-HTX-F / QC-HTX-M                              | 9/16"-18RH |

Torch

FA5TPR Pair



FA5TF  
For Fuel

FA5TO  
For Oxygen

Regulator

FA5RPR Pair



FA5RF  
For Fuel

FA5RO  
For Oxygen

Torch

FA7TPR Pair



FA7TF  
For Fuel

FA7TO  
For Oxygen

Regulator

FA7RPR Pair



FA7RF  
For Fuel

FA7RO  
For Oxygen

Regulator

FA10RF  
For Fuel Gas

FA10RO  
For Oxygen



Pipe

FA20PF  
For Fuel Gas

FA20PO  
For Oxygen



Regulator

FA23RF  
For Fuel Gas

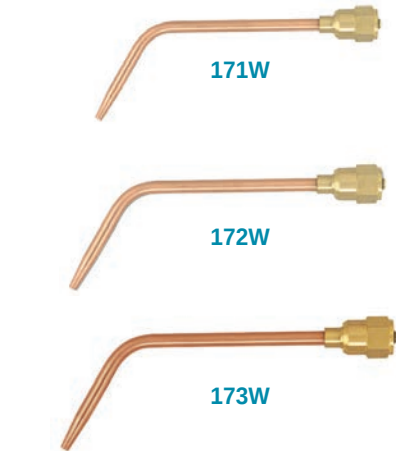
FA23RO  
For Oxygen



Oxy-Acetylene & Oxy-Hydrogen Welding Nozzles

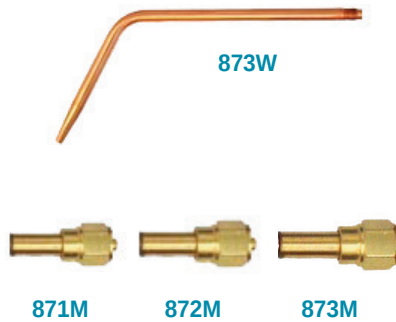
- Red copper tip ends
- Ideal for soldering, brazing, heating, hardfacing, etc.
- 171W, 172W, and 173W use one-piece elbow tips
- Victor® compatible

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



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<br>141TA, 342T-Y<br>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                 | 5, 6            | 872M-7             |                    |                                             |               |
| 873W         | ET                 | 000-2           | 873M               | 2-UM               | 143T<br>143TL<br>143TLH                     | 173W          |
|              |                    | 3, 4            | 873M-4             | 4-UM               |                                             |               |
|              |                    | 5, 6            | 873M-6             | 6-UM               |                                             |               |



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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

| 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       |



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

| 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       |



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

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

| 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       |



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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<br>143TL<br>143TLH | 28"          |

Heating Elbows

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

Heating Head & Mixer

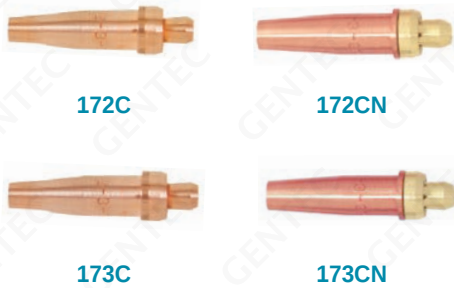
| Head Series | Sizes Available | Mixer Model Number |
|-------------|-----------------|--------------------|
| 875HRB      | 10, 15, 20      | 876M               |

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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

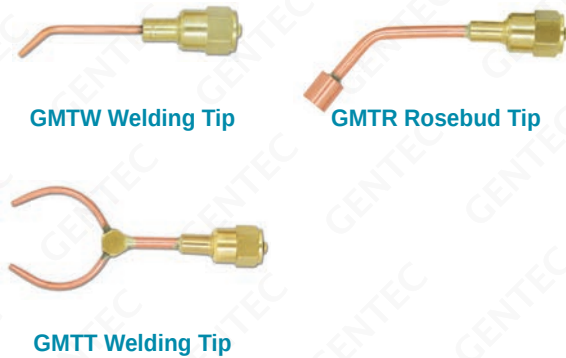
| Tip Series | Victor® Equivalent | Sizes Available | Type    | Gases               |
|------------|--------------------|-----------------|---------|---------------------|
| 172C       | 3-101              | 000-6           | 1 PIECE | ACETYLENE           |
| 172CN      | 3-GPN              | 000-6           | 2 PIECE | NATURAL GAS/PROPANE |
| 173C       | 1-101              | 000-8           | 1 PIECE | ACETYLENE           |
| 173CN      | GPN                | 000-8           | 2 PIECE | NATURAL GAS/PROPANE |



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.

| 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"             |                           |



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.

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

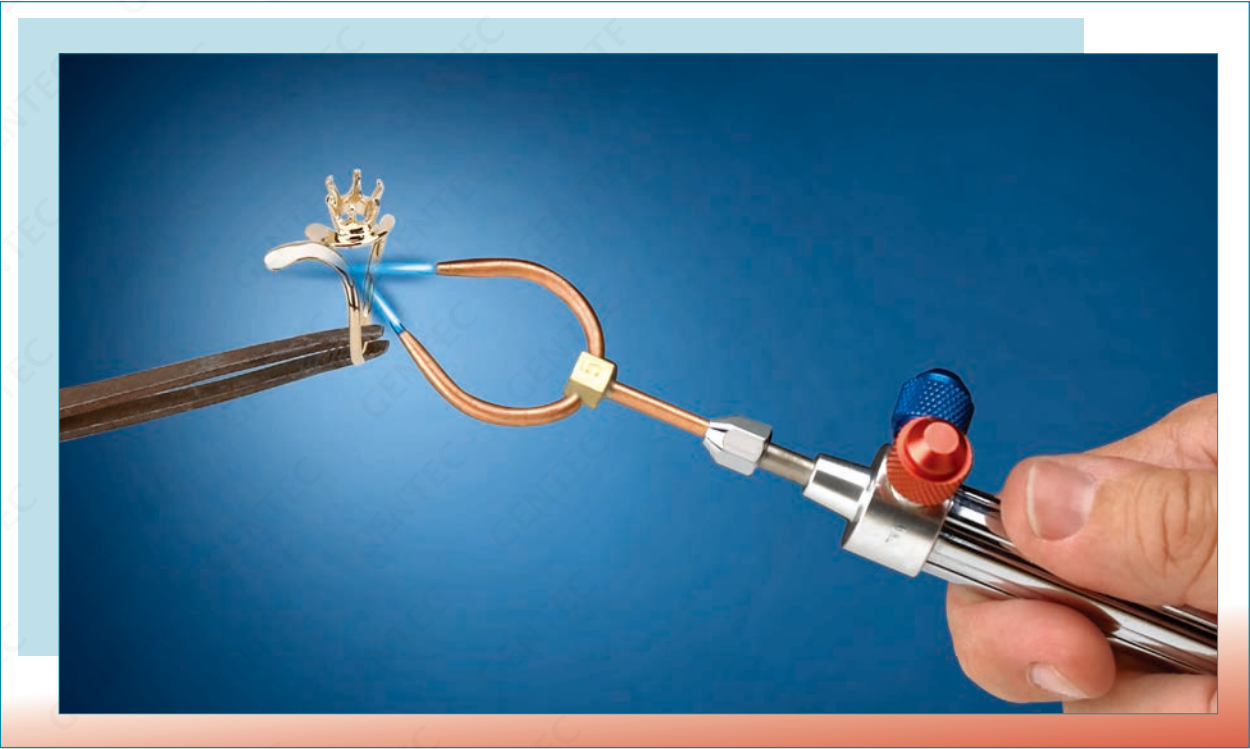


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Craft • Hobby • Jewelry

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



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



KSTA16TC-H12SP

| Model Number    | Gas Service | Torch Handle | Tips      | Hoses                           | Oxygen Regulator | Fuel Regulator | Cylinder Stand | Cylinder Oxygen / Fuel | Check Valve |
|-----------------|-------------|--------------|-----------|---------------------------------|------------------|----------------|----------------|------------------------|-------------|
| KSTA16-TCSP*    | ACETYLENE   | 10ST         | 10STP-3-7 | HST18-6 w/Check Valves**        | 710X-80          | 710Y-15        | CRT10          | CY20-540 / CY10-MC     | 24-CV9PR    |
| 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          |                        |             |

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

Oxy-Acetylene & Oxy-Fuel Kits



KSTP14-TSP



KSTA06-H12SP



KSTA16-H12SP

| Model Number  | Gas Service       | Torch Handle | Tips      | Hoses    | Oxygen Regulator | Fuel Regulator | Cylinder Stand | B to A Hose Adapters | Check Valves |
|---------------|-------------------|--------------|-----------|----------|------------------|----------------|----------------|----------------------|--------------|
| KSTA04SP      | ACET./PROP./MAPP® | 10ST         | 10STP-4   | HST18-06 | N/A              | N/A            | N/A            | 24-0105/24-0106      | N/A          |
| KSTA06SP      | ACETYLENE         | 10ST         | 10STP-2-6 | HST18-06 | N/A              | N/A            | N/A            | 24-0105/24-0106      | N/A          |
| KSTA06-H12SP  | ACETYLENE         | 10ST         | 10STP-2-6 | HST18-12 | N/A              | N/A            | N/A            | 24-0105/24-0106      | N/A          |
| KSTP06-H12SP  | ACET./PROP./MAPP® | 10ST         | 10STP-3-7 | HST18-12 | N/A              | N/A            | N/A            | 24-0105/24-0106      | N/A          |
| KSTP14-TSP    | PROPANE/MAPP®     | 10ST         | 10STP-4   | HST18-06 | GRST-X**         | GRST-LP**      | CRTST          | N/A                  | N/A          |
| KSTA16SP      | ACETYLENE         | 10ST         | 10STP-2-6 | HST18-06 | 710X-80          | 710Y-15        | N/A            | N/A                  | 24-CV9PR     |
| KSTA16-BSP    | ACETYLENE         | 10ST         | 10STP-2-6 | HST18-06 | 710X-80          | 710Y-15-5      | N/A            | N/A                  | 24-CV9PR     |
| KSTA16-H12SP  | ACETYLENE         | 10ST         | 10STP-2-6 | HST18-12 | 710X-80          | 710Y-15        | N/A            | N/A                  | 24-CV9PR     |
| KSTA16B-H12SP | ACETYLENE         | 10ST         | 10STP-2-6 | HST18-12 | 710X-80          | 710Y-15-5      | N/A            | N/A                  | 24-CV9PR     |
| KSTP16SP      | PROPANE/MAPP®     | 10ST         | 10STP-3-7 | HST18-06 | 710X-80          | 710F-80        | N/A            | N/A                  | 24-CV9PR     |
| KSTP16-H12SP  | PROPANE/MAPP®     | 10ST         | 10STP-3-7 | HST18-12 | 710X-80          | 710F-80        | N/A            | N/A                  | 24-CV9PR     |

\*\*Use with Disposable Cylinders

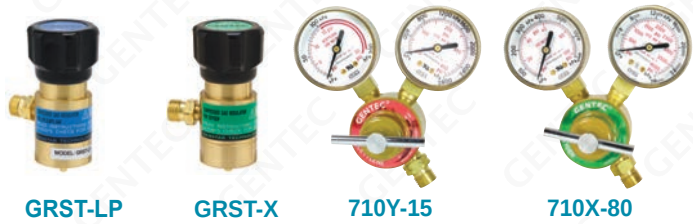
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Compressed Gas Regulators

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"-18RH(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



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) |



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

| Model Number | Gas Service    | Torch Handle & Hose           |
|--------------|----------------|-------------------------------|
| 11ST         | OXY-ACET./FUEL | TORCH HANDLE ONLY (STAR KNOB) |
| 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       |



Oxy-Acetylene / Oxy-Fuel Tips

CURVED TIPS

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



CURVED TIPS COMBO PACK (SKIN PACKAGE)

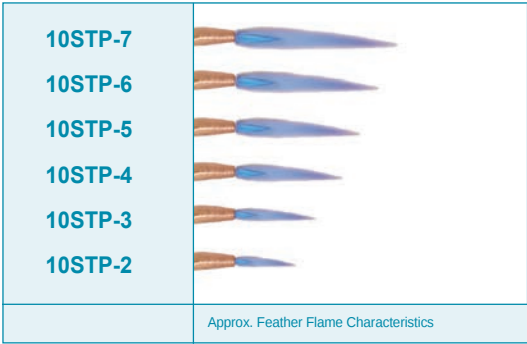
TWIN TIPS



| Model Number | Size | Gas Service                 |
|--------------|------|-----------------------------|
| 10STP-2      | #2   | OXY-ACETYLENE               |
| 10STP-3      | #3   | OXY-ACETYLENE/PROPANE/MAPP® |
| 10STP-4      | #4   | OXY-ACETYLENE/PROPANE/MAPP® |
| 10STP-5      | #5   | OXY-ACETYLENE/PROPANE/MAPP® |
| 10STP-6      | #6   | OXY-ACETYLENE/PROPANE/MAPP® |
| 10STP-7      | #7   | OXY-ACETYLENE/PROPANE/MAPP® |

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

| Model Number | Size | Gas Service                 |
|--------------|------|-----------------------------|
| 10STP-3C     | 3    | OXY-ACETYLENE/PROPANE/MAPP® |
| 10STP-4C     | 4    | OXY-ACETYLENE/PROPANE/MAPP® |
| 10STP-5C     | 5    | OXY-ACETYLENE/PROPANE/MAPP® |



Multi-Flame Rosebud Heating Tips

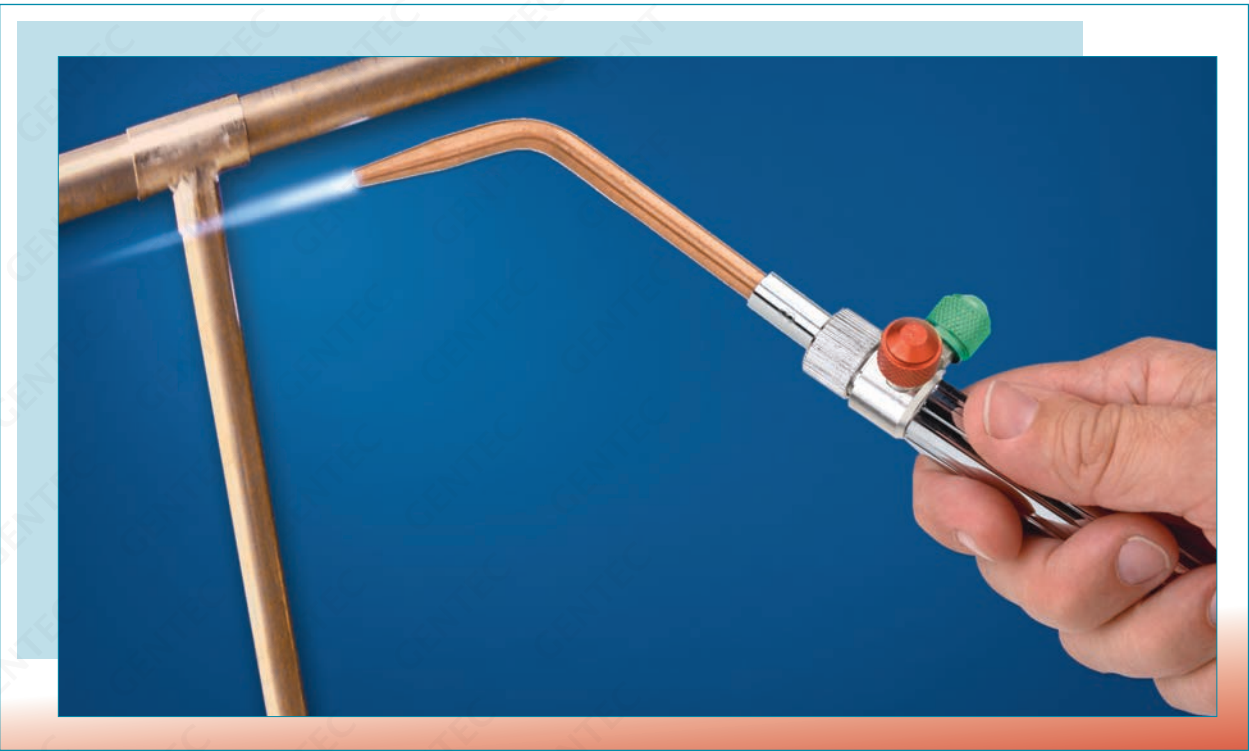
| Model Number | Length | Gas Service       |
|--------------|--------|-------------------|
| 10STP-HF6    | 6"     | OXY-PROPANE/MAPP® |
| 10STP-HY6    | 6"     | OXY-ACETYLENE     |



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)



Oxy-Acetylene Anti-Theft Packaging Kit with Cylinders

| Model Number          | KCMA16TCSP                                     |
|-----------------------|------------------------------------------------|
| GAS SERVICE:          | OXY-ACETYLENE                                  |
| TORCH HANDLE:         | 10CM                                           |
| TIPS:                 | 10CMP-GMTT<br>10CMP-GMTR<br>10CMP-4<br>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



Oxy-Acetylene & Oxy-Fuel Kits



| Model Number | Gas Service       | Torch Handle | Tips                                     | Hose     | Oxygen Regulator | Fuel Regulator | B to A Hose Adapters | Check Valves |
|--------------|-------------------|--------------|------------------------------------------|----------|------------------|----------------|----------------------|--------------|
| KCMA04SP     | ACET./PROP./MAPP® | 10CM         | 10CMP-4                                  | HST18-12 | N/A              | N/A            | 24-0105/24-0106      | N/A          |
| KCMA26SP     | ACET./PROP./MAPP® | 10CM         | 10CMP-GMTT, 10CMP-GMTR, 10CMP-4, 10CMP-6 | HST18-12 | N/A              | N/A            | 24-0105/24-0106      | N/A          |
| KCMA16-BSP   | ACETYLENE         | 10CM         | 10CMP-4                                  | HST18-12 | 710X-80          | 710Y-15-5      | N/A                  | 24-CV9PR     |
| KCMA16SP     | ACETYLENE         | 10CM         | 10CMP-GMTT, 10CMP-GMTR, 10CMP-4, 10CMP-6 | HST18-12 | 710X-80          | 710Y-15        | N/A                  | 24-CV9PR     |
| KCMP16SP     | PROPANE/MAPP®     | 10CM         | 10CMP-GMTT, 10CMP-GMTR, 10CMP-3, 10CMP-7 | HST18-12 | 710X-80          | 710F-80        | N/A                  | 24-CV9PR     |

MAPP® is a registered trademark of BOC Group, Inc., which is not associated with Genstar Technologies Co., Inc.

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)     |



Replacement Twin Hoses (Includes Hose Clamps\*)

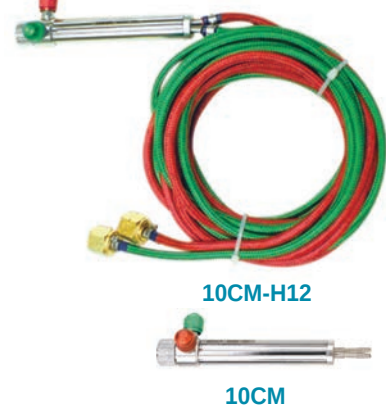
| Model Number | Gas Service    | Dimension | Connection       |
|--------------|----------------|-----------|------------------|
| HST18-12     | OXY/FUEL(TWIN) | 1/8"x12'  | 9/16"-18RH/LH(M) |

\*Hose clamps model No. 007-505R



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 |



Torch Handle Components - Torch Valve Stems

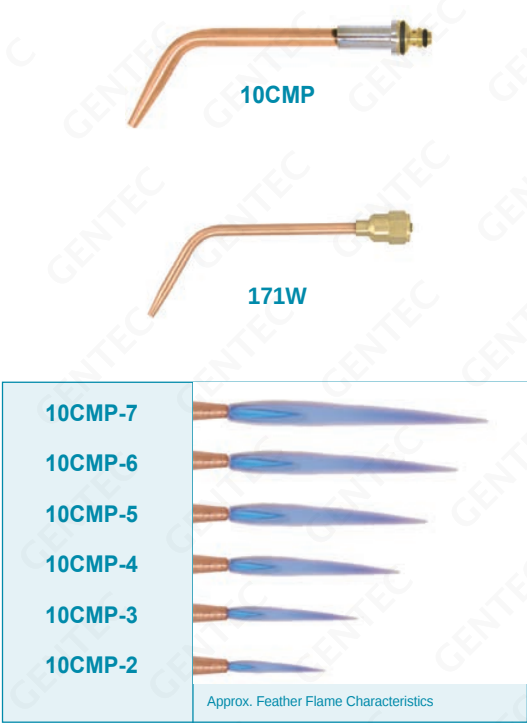
| Model Number | Description          |
|--------------|----------------------|
| T10-82B      | GREEN VALVE (OXYGEN) |
| T10-83B      | RED VALVE (FUEL)     |

COMPACT TORCH COMPONENTS

Industrial Gas Apparatus

Oxy-Acetylene/Oxy-Fuel Tips

| Model Number | Size | Gas Service                 |
|--------------|------|-----------------------------|
| 10CMP-2      | 2    | OXY-ACETYLENE               |
| 10CMP-3      | 3    | OXY-ACETYLENE/PROPANE/MAPP® |
| 10CMP-4      | 4    | OXY-ACETYLENE/PROPANE/MAPP® |
| 10CMP-5      | 5    | OXY-ACETYLENE/PROPANE/MAPP® |
| 10CMP-6      | 6    | OXY-ACETYLENE/PROPANE/MAPP® |
| 10CMP-7      | 7    | OXY-ACETYLENE/PROPANE/MAPP® |
| 171W-000     | 000  | OXY-ACETYLENE               |
| 171W-00      | 00   | OXY-ACETYLENE               |
| 171W-0       | 0    | OXY-ACETYLENE               |

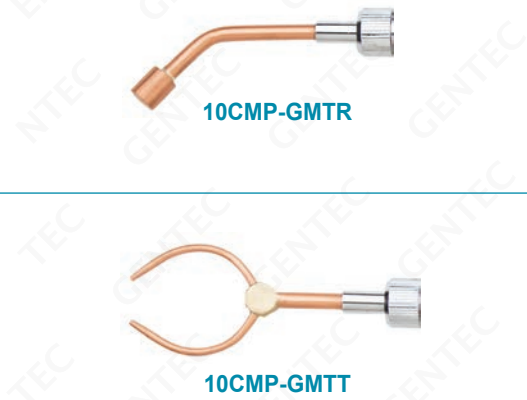


Brazing Tip Comparison Chart

| 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            |

Multi-Flame Rosebud Heating Tip

| Model Number | Gas Service       |
|--------------|-------------------|
| 10CMP-GMTR   | ACET./PROP./MAPP® |



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-ACET./PROP./MAPP® |
|              | 10CMP-GMTR (Multi-Flame) |                       |
|              | 10CMP-3 (Curved Tip #3)  |                       |
|              | 10 CMP-7 (Curved Tip #7) |                       |
| 10CMP-C4SP   | 10CMP-GMTT (Twin Tip)    |                       |
|              | 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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Industrial Gas Apparatus

MUL-T-TORCH OUTFIT

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

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

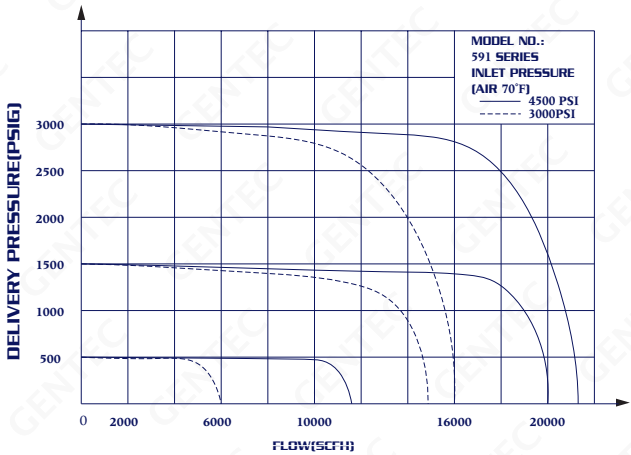
591 Series High Pressure Piston Regulators

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 PSIG. Like all GENTEC® quality products, the 591 Series provides superior performance and safety 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
- Conforms to CGA E-4 standard for
- gas pressure regulators



591



| Model Number   | Gas Service                         | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge    | Inlet Connection | Outlet Connection          |
|----------------|-------------------------------------|------------------------------|---------------------------------|-----------------|-----------------|------------------|----------------------------|
| 591X-750       | OXYGEN                              | 3000                         | 50 - 750                        | 2-1/2", 4000PSI | 2-1/2", 1000PSI | CGA540           | 1/4" SS COMP. TUBE FITTING |
| 591X-1500      |                                     |                              | 100 - 1500                      |                 | 2-1/2", 2000PSI |                  |                            |
| 591X-3000      |                                     |                              | 200 - 3000                      |                 | 2-1/2", 4000PSI |                  |                            |
| 591IN-750      | INERT GAS (Ar, He, N <sub>2</sub> ) | 3000                         | 50 - 750                        | 2-1/2", 4000PSI | 2-1/2", 1000PSI | CGA580           | 1/4" SS COMP. TUBE FITTING |
| 591IN-1500     |                                     |                              | 100 - 1500                      |                 | 2-1/2", 2000PSI |                  |                            |
| 591IN-3000     |                                     |                              | 200 - 3000                      |                 | 2-1/2", 4000PSI |                  |                            |
| 591IN-1500-680 | INERT GAS (Ar, He, N <sub>2</sub> ) | 5500                         | 100 - 1500                      | 2-1/2", 6000PSI | 2-1/2", 2000PSI | CGA680           | 1/4" SS COMP. TUBE FITTING |
| 591IN-3000-680 |                                     |                              | 200 - 3000                      |                 | 2-1/2", 4000PSI |                  |                            |
| 591IN-4500-680 |                                     |                              | 300 - 4500                      |                 | 2-1/2", 6000PSI |                  |                            |
| 591Q-1500      | AIR                                 | 3000                         | 100 - 1500                      | 2-1/2", 4000PSI | 2-1/2", 2000PSI | CGA346           | 1/4" SS COMP. TUBE FITTING |
| 591Q-3000      |                                     |                              | 200 - 3000                      |                 | 2-1/2", 4000PSI |                  |                            |
| 591Q-1500-347  |                                     |                              | 100 - 1500                      | 2-1/2", 6000PSI | 2-1/2", 2000PSI | CGA347           | 1/4" SS COMP. TUBE FITTING |
| 591Q-3000-347  | AIR                                 | 5500                         | 200 - 3000                      |                 | 2-1/2", 4000PSI |                  |                            |
| 591Q-4500-347  |                                     |                              | 300 - 4500                      |                 | 2-1/2", 6000PSI |                  |                            |
| 591H-750       | HYDROGEN METHANE                    | 3000                         | 50 - 750                        | 2-1/2", 4000PSI | 2-1/2", 1000PSI | CGA350           | 1/4" SS COMP. TUBE FITTING |
| 591H-1500      |                                     |                              | 100 - 1500                      |                 | 2-1/2", 2000PSI |                  |                            |
| 591H-3000      |                                     |                              | 200 - 3000                      |                 | 2-1/2", 4000PSI |                  |                            |

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

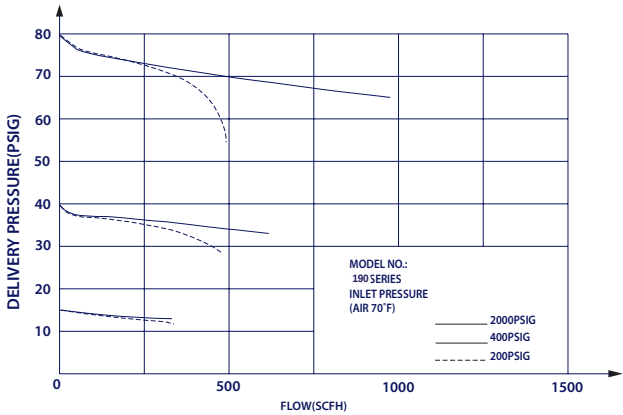
Light Duty Single Stage Regulators

Industrial Gas Apparatus

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
- UL listed



| Model Number | Gas Service                         | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge | Outlet Gauge  | Inlet Connection | Outlet Connection |
|--------------|-------------------------------------|------------------------------|---------------------------------|-------------|---------------|------------------|-------------------|
| 190F-80      | L.P. GAS                            | 400                          | 4-80                            | 2", 400PSI  | 2", 100PSI    | CGA510           | 9/16" - 18LH(M)   |
| 190X-80      | OXYGEN                              | 3000                         | 4-80                            | 2", 4000PSI | 2", 100PSI    | CGA540           | 9/16" - 18RH(M)   |
| 190Y-15      | ACETYLENE                           | 400                          | 2-15                            | 2", 4000PSI | 2", 30PSI, RL | CGA510           | 9/16" - 18LH(M)   |
| 190Y-15-3    |                                     |                              |                                 |             |               | CGA300           |                   |
| 190Y-15-5    |                                     |                              |                                 |             |               | CGA520           |                   |
| 190IN-80     | INERT GAS (Ar, He, N <sub>2</sub> ) | 3000                         | 4-80                            | 2", 4000PSI | 2", 100PSI    | CGA580           | 5/8" - 18RH(F)    |
| 190IN-175    |                                     |                              | 5-175                           | 2", 4000PSI | 2", 300PSI    |                  | 5/8" - 18RH(F)    |
| 190IN-175-F  |                                     |                              | 5-175                           | 2", 4000PSI | 2", 300PSI    |                  | 1/4" SAE FLARE    |
| 190C-175     | CARBON DIOXIDE                      | 3000                         | 5-175                           | 2", 4000PSI | 2", 300PSI    | CGA320           | 5/8" - 18RH(F)    |
| 190C-175-F   |                                     |                              |                                 |             |               |                  | 1/4" SAE FLARE    |
| 190H-80      | HYDROGEN METHANE                    | 3000                         | 4-80                            | 2", 4000PSI | 2", 100PSI    | CGA350           | 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



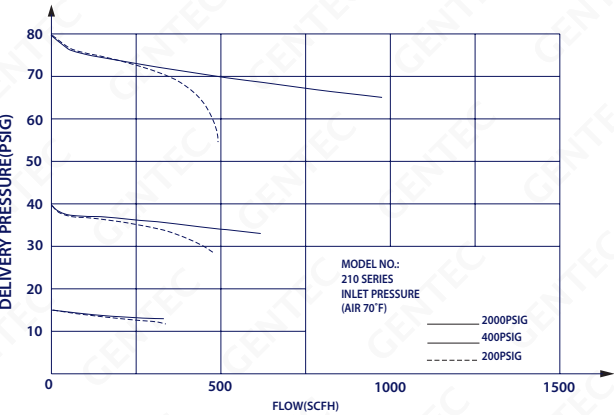
190

Industrial Gas 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: 210 Series: 2 lbs 3 oz
- 210Y1 Series: 1 lb 14 oz
- UL Listed



| Model Number  | Gas Service | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge | Outlet Gauge  | Inlet Connection | Outlet Connection |
|---------------|-------------|------------------------------|---------------------------------|-------------|---------------|------------------|-------------------|
| 210F-80       | PROPANE     | 400                          | 4-80                            | 2", 400PSI  | 2", 100PSI    | CGA510 REAR      | 9/16" - 18LH(M)   |
| 210X-80       | OXYGEN      | 3000                         | 4-80                            | 2", 4000PSI | 2", 100PSI    | CGA540 REAR      | 9/16" - 18RH(M)   |
| 210X-80-A     |             |                              |                                 |             |               |                  | 3/8" - 24RH(M)    |
| 210Y-15       |             |                              |                                 |             |               | CGA200 "MC" REAR | 9/16" - 18LH(M)   |
| 210Y-15-5     | ACETYLENE   | 400                          | 2-15                            | 2", 400PSI  | 2", 30PSI, RL | CGA520 REAR      | 9/16" - 18LH(M)   |
| 210Y-15-A     |             |                              |                                 |             |               | CGA200 "MC" REAR | 3/8" - 24LH(M)    |
| 210Y-15-510   |             |                              |                                 |             |               | CGA510 REAR      | 9/16" - 18LH(M)   |
| 210Y-15-510-A |             |                              |                                 |             |               | CGA510 REAR      | 3/8" - 24LH(M)    |
| 210Y-15-3     |             |                              |                                 |             |               | CGA300 REAR      | 9/16" - 18LH(M)   |
| 210Y-15-3-A   |             |                              |                                 |             |               | CGA300 REAR      | 3/8" - 24LH(M)    |
| 210Y1-15-B    | ACETYLENE   | 400                          | 2-15                            | 2", 400PSI  | NONE          | CGA520 REAR      | 9/16" - 18LH(M)   |
| 210Y1-15-M    |             |                              |                                 |             |               | CGA200 "MC" REAR | 3/8" - 24LH(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



210



210Y1

Gauge Guard Models



210X-80G



210Y-15G

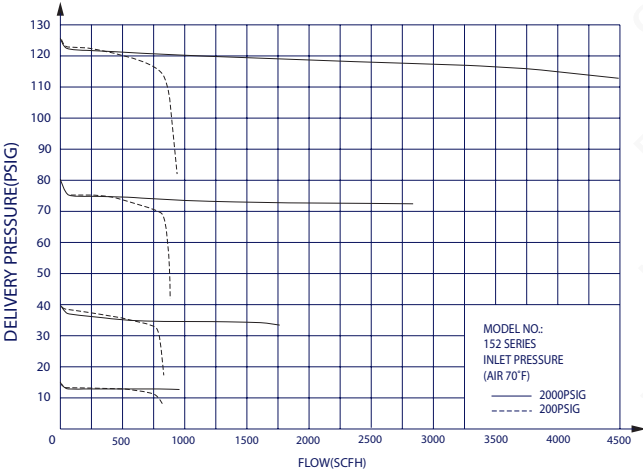
152 SERIES

Medium Duty Single Stage Regulators

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
- UL Listed



| Model Number | Gas Service                         | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge | Outlet Gauge  | Inlet Connection | Outlet Connection |
|--------------|-------------------------------------|------------------------------|---------------------------------|-------------|---------------|------------------|-------------------|
| 152F-80      | L.P. GAS                            | 400                          | 4-80                            | 2", 400PSI  | 2", 100PSI    | CGA510           | 9/16" - 18LH(M)   |
| 152X-80      | OXYGEN                              | 3000                         | 4-80                            | 2", 4000PSI | 2", 100PSI    | CGA540           | 9/16" - 18RH(M)   |
| 152X-125     | OXYGEN                              | 3000                         | 5-125                           | 2", 4000PSI | 2", 200PSI    | CGA540           | 9/16" - 18RH(M)   |
| 152Y-15      | ACETYLENE                           | 400                          | 2-15                            | 2", 400PSI  | 2", 30PSI, RL | CGA510           | 9/16" - 18LH(M)   |
| 152Y-15-3    |                                     |                              |                                 |             |               | CGA300           |                   |
| 152Y-15-5    |                                     |                              |                                 |             |               | CGA520           |                   |
| 152IN-15     | INERT GAS (Ar, He, N <sub>2</sub> ) | 3000                         | 2-15                            | 2", 4000PSI | 2", 30PSI     | CGA580           | 5/8"-18RH(F)      |
| 152IN-125    | INERT GAS (Ar, He, N <sub>2</sub> ) | 3000                         | 5-125                           | 2", 4000PSI | 2", 200PSI    | CGA580           | 5/8"-18RH(F)      |
| 152Q-15      | AIR                                 | 3000                         | 2-15                            | 2", 4000PSI | 2", 30PSI     | CGA346           | 5/8"-18RH(M)      |
| 152Q-125     |                                     |                              | 5-125                           |             | 2", 200PSI    |                  |                   |
| 152H-15      | HYDROGEN METHANE                    | 3000                         | 2-15                            | 2", 4000PSI | 2", 30PSI     | CGA350           | 9/16" - 18LH(M)   |
| 152H-40      |                                     | 3000                         | 2-40                            | 2", 4000PSI | 2", 60PSI     | CGA350           | 9/16" - 18LH(M)   |
| 152H-125     |                                     | 3000                         | 5-125                           | 2", 4000PSI | 2", 200PSI    | CGA350           | 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

Industrial Gas Apparatus



152

Gauge Guard Models



152X-80G  
152X-125G



152Y-15G  
152Y-15-3G  
152Y-15-5G

452 SERIES

Medium to Heavy Duty Single Stage Regulators

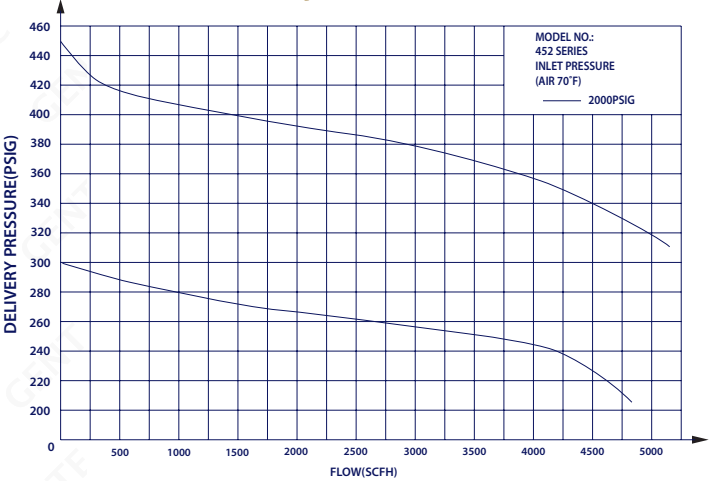
452 Series Regulators

Designed for medium to heavy duty gas welding, cutting, and heating applications, 452 Series is a Harris® style regulator with a 2-3/4" diaphragm and a Victor® style seat mechanism.

- 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
- UL listed



452



| Model Number    | Gas Service                   | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge | Outlet Gauge  | Inlet Connection | Outlet Connection |
|-----------------|-------------------------------|------------------------------|---------------------------------|-------------|---------------|------------------|-------------------|
| 452F-40         | L.P. GAS                      | 400                          | 2-40                            | 2", 400PSI  | 2", 60PSI     | CGA510           | 9/16" - 18LH(M)   |
| 452F-125        |                               |                              | 5-125                           |             | 2", 200PSI    |                  |                   |
| 452X-80         | OXYGEN                        | 3000                         | 4-80                            | 2", 4000PSI | 2", 100PSI    | CGA540           | 9/16" - 18RH(M)   |
| 452X-175        |                               |                              | 5-175                           |             | 2", 300PSI    |                  |                   |
| 452Y-15         | ACETYLENE                     | 400                          | 2-15                            | 2", 400PSI  | 2", 30PSI, RL | CGA510           | 9/16" - 18LH(M)   |
| 452Y-15-3       |                               |                              |                                 |             | 2", 30PSI, RL | CGA300           |                   |
| 452Y-15-5       |                               |                              |                                 |             |               | CGA520           |                   |
| 452C-175        | CARBON DIOXIDE                | 3000                         | 5-175                           | 2", 4000PSI | 2", 300PSI    | CGA320           | 5/8" - 18RH(F)    |
| 452C-175-F      |                               |                              | 5-175                           |             | 2", 300PSI    |                  | 1/4" SAE FLARE    |
| 452C-300        |                               |                              | 20-300                          |             | 2", 400PSI    |                  | 5/8" - 18RH(F)    |
| 452C-300-F      |                               |                              | 20-300                          |             | 2", 400PSI    |                  | 1/4" SAE FLARE    |
| 452IN-80        | INERT GASES (Ar, He) NITROGEN | 3000                         | 4-80                            | 2", 4000PSI | 2", 100PSI    | CGA580           | 5/8" - 18RH(F)    |
| 452IN-175       |                               |                              | 5-175                           |             | 2", 300PSI    |                  | 5/8" - 18RH(F)    |
| 452IN-175-F     |                               |                              | 5-175                           |             | 2", 300PSI    |                  | 1/4" SAE FLARE    |
| 452IN-300       |                               |                              | 20-300                          |             | 2", 400PSI    |                  | 5/8" - 18RH(F)    |
| 452IN-300-F     |                               |                              | 20-300                          |             | 2",400PSI     |                  | 1/4" SAE FLARE    |
| 452IN-450       |                               |                              | 30-450                          |             | 2", 600PSI    |                  | 5/8" - 18RH(F)    |
| 452IN-450-F     |                               |                              | 30-450                          |             | 2", 600PSI    |                  | 1/4" SAE FLARE    |
| 452IN-175-F-680 | INERT GASES (Ar, He) NITROGEN | 5500                         | 5-175                           | 2", 6000PSI | 2", 300PSI    | CGA680           | 1/4" SAE FLARE    |
| 452IN-450-F-680 |                               |                              | 30-450                          |             | 2", 600PSI    |                  |                   |

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

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453 SERIES

Medium to Heavy Duty Single Stage Regulators

Industrial Gas Apparatus

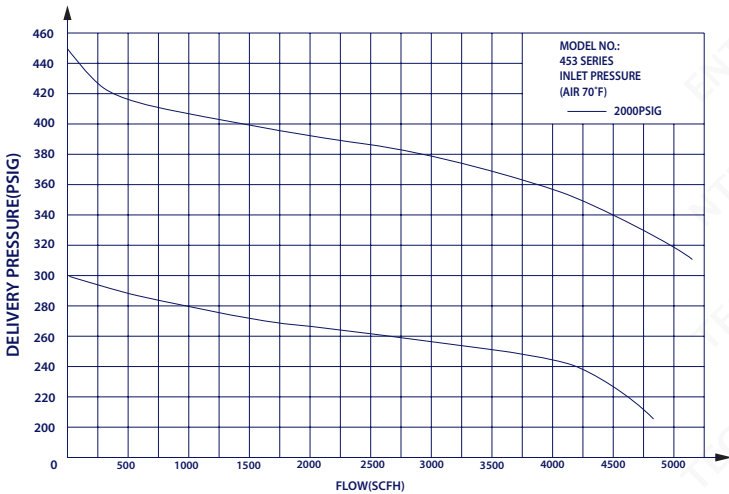
453 Series Single Stage Regulators

Designed for medium to heavy duty gas welding, cutting and heating applications, these single-stage regulators provide top performance in a wide variety of industrial and laboratory applications.

- Self re-seating external pressure relief valve on oxygen models
- Conforms to CGA E-4 standard for gas pressure regulators
- Stem-type seat assembly for more reliable performance
- Forged brass body
- 2-1/2" gauges for easy reading
- 2-3/4" diaphragm
- Weight: 3 lbs 8 oz



453



| Model Number | Gas Service | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge      | Inlet Connection | Outlet Connection |
|--------------|-------------|------------------------------|---------------------------------|-----------------|-------------------|------------------|-------------------|
| 453X-175     | OXYGEN      | 3000                         | 5-175                           | 2-1/2", 4000PSI | 2-1/2", 300PSI    | CGA540           | 9-16" - 18RH(M)   |
| 453Y-15      | ACETYLENE   | 400                          | 2-15                            | 2-1/2", 400PSI  | 2-1/2", 30PSI, RL | CGA510           | 9-16" - 18LH(M)   |
| 453Y-15-3    |             |                              |                                 |                 |                   | CGA300           |                   |

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

853 SERIES

Medium to Heavy Duty Single Stage Regulators

Industrial Gas Apparatus

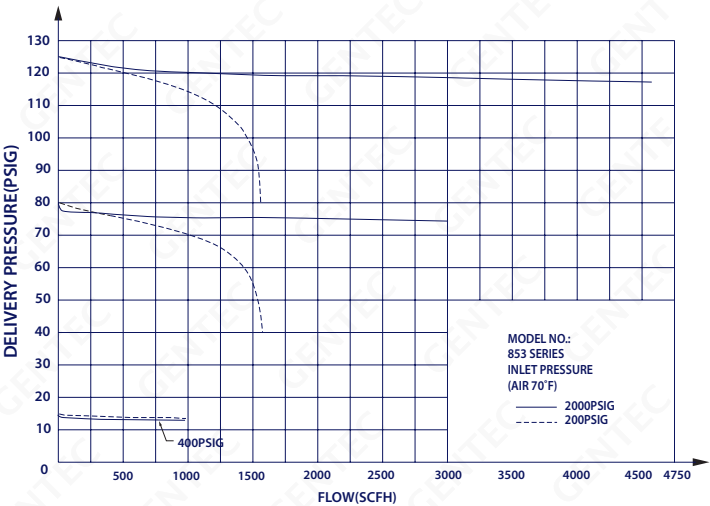
853 Series Single Stage Regulators

Designed for medium to heavy duty gas welding, cutting and heating applications, these single-stage regulators provide top performance in a wide variety of industrial and laboratory applications.

- Self re-seating external pressure relief valve on oxygen models
- Forged brass body and housing cap
- Conforms to CGA E-4 standard for gas pressure regulators
- Stem-type seat assembly for more reliable performance
- Delrin cap bushing for smooth adjustment
- 2-1/2" gauges for easy reading
- 2-3/4" diaphragm
- Weight: 3 lbs 8 oz



853



| Model Number | Gas Service | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge      | Inlet Connection | Outlet Connection |
|--------------|-------------|------------------------------|---------------------------------|-----------------|-------------------|------------------|-------------------|
| 853F-80      | L.P. GAS    | 400                          | 4-80                            | 2-1/2", 400PSI  | 2-1/2", 100PSI    | CGA510           | 9-16" - 18LH(M)   |
| 853X-125     | OXYGEN      | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA540           | 9-16" - 18RH(M)   |
| 853Y-15      | ACETYLENE   | 400                          | 2-15                            | 2-1/2", 400PSI  | 2-1/2", 30PSI, RL | CGA510           | 9-16" - 18LH(M)   |
| 853Y-15-3    |             |                              |                                 |                 |                   | CGA300           |                   |

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

Liquid Cylinder Regulators

Industrial Gas Apparatus

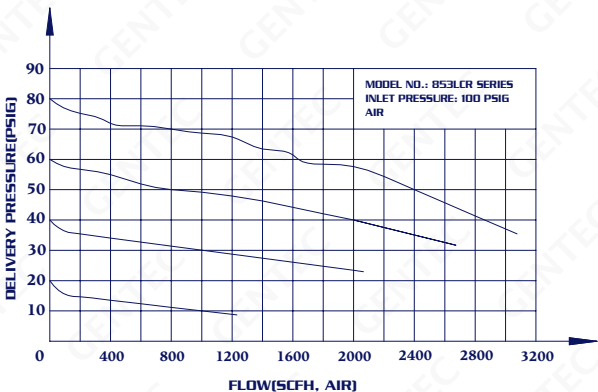
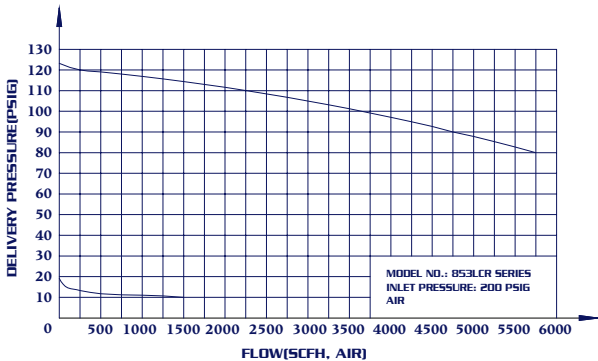
853LCR Series Single Stage Liquid Cylinder Regulators

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



| Model Number | Gas Service    | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge | Outlet Gauge   | Inlet Connection | Outlet Connection |
|--------------|----------------|------------------------------|---------------------------------|-------------|----------------|------------------|-------------------|
| 853LCRX-125  | OXYGEN         | 500                          | 5-125                           | NONE        | 2-1/2", 200PSI | CGA540           | 9-16" - 18RH(M)   |
| 853LCRIN-125 | NITROGEN       | 500                          | 5-125                           | NONE        | 2-1/2", 200PSI | CGA580           | 5/8" - 18RH(F)    |
| 853LCRCD-125 | CARBON DIOXIDE | 500                          | 5-125                           | NONE        | 2-1/2", 200PSI | CGA320           | 5/8" - 18RH(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

153 SERIES

Heavy Duty Single Stage Regulators

Industrial Gas Apparatus

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, CO<sub>2</sub>, and hydrogen models
- Sintered bronze inlet filter
- Steel Gauge Protectors are color-coded: green for Oxygen (GP31X) and red for Acetylene (GP31Y) Models
- Weight: 4 lbs 13 oz
- UL listed



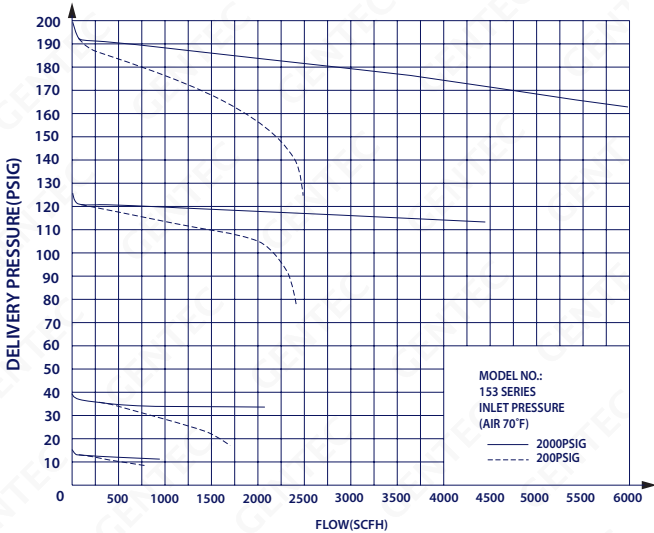
Gauge Guard Models



153X-125G



153Y-15G  
153Y-15-3G



| Model Number | Gas Service                         | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge      | Inlet Connection | Outlet Connection |
|--------------|-------------------------------------|------------------------------|---------------------------------|-----------------|-------------------|------------------|-------------------|
| 153F-125     | L.P. GAS                            | 400                          | 5-125                           | 2-1/2", 400PSI  | 2-1/2", 200PSI    | CGA510           | 9/16" - 18LH(M)   |
| 153X-125     | OXYGEN                              | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA540           | 9/16" - 18RH(M)   |
| 153X-250     |                                     |                              | 10-250                          |                 | 2-1/2", 400PSI    |                  |                   |
| 153Y-15      | ACETYLENE                           | 400                          | 2-15                            | 2-1/2", 400PSI  | 2-1/2", 30PSI, RL | CGA510           | 9/16" - 18LH(M)   |
| 153Y-15-3    |                                     |                              |                                 |                 | 2-1/2", 30PSI, RL | CGA300           |                   |
| 153IN-125    | INERT GAS (Ar, He, N <sub>2</sub> ) | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA580           | 5/8" - 18RH(F)    |
| 153IN-250    |                                     |                              | 10-250                          |                 | 2-1/2", 400PSI    |                  | 5/8" - 18RH(F)    |
| 153IN-250-F  |                                     |                              | 10-250                          |                 | 2-1/2", 400PSI    |                  | 1/4" SAE FLARE    |
| 153Q-125     | AIR                                 | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA590           | 9/16" - 18RH(M)   |
| 153Q-200     |                                     |                              | 10-200                          |                 | 2-1/2", 400PSI    | CGA346           | 9/16" - 18RH(M)   |
| 153C-125     | CARBON DIOXIDE                      | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA320           | 5/8" - 18RH(F)    |
| 153C-200     |                                     |                              | 10-200                          |                 | 2-1/2", 400PSI    |                  |                   |
| 153H-125     | HYDROGEN METHANE                    | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA350           | 9/16" - 18LH(M)   |
| 153H-200     |                                     |                              | 10-200                          |                 | 2-1/2", 400PSI    |                  |                   |

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

Industrial Gas Apparatus

Industrial Gas Apparatus

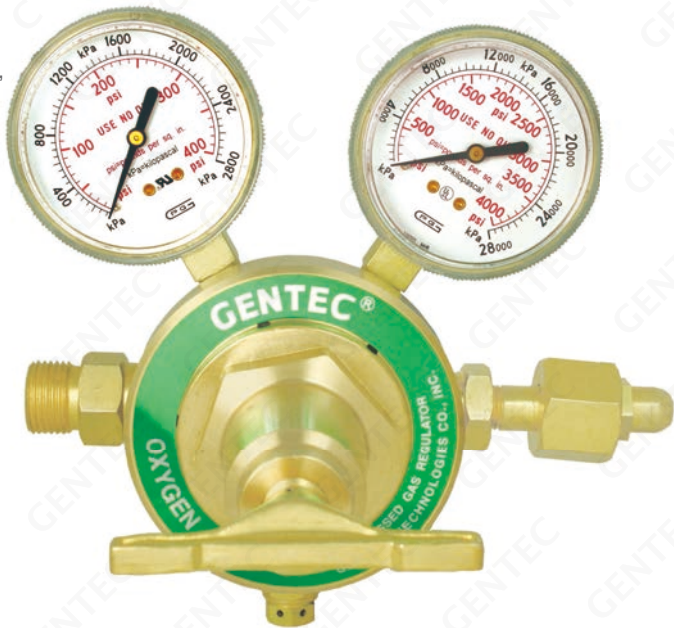
155HF SERIES

High Pressure High Flow Single Stage Regulators

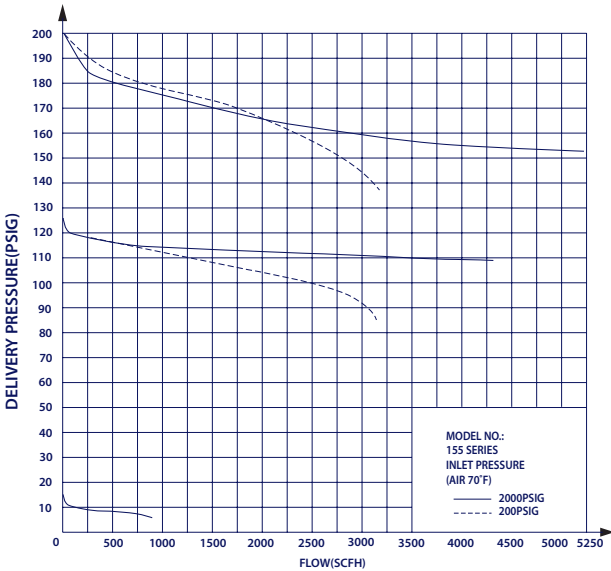
155 Series Single Stage Regulators

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
- Conforms to CGA E-4 standard for gas pressure regulators



155



| Model Number | Gas Service                            | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge      | Inlet Connection | Outlet Connection |
|--------------|----------------------------------------|------------------------------|---------------------------------|-----------------|-------------------|------------------|-------------------|
| 155F-125     | L.P. GAS                               | 400                          | 5-125                           | 2-1/2", 400PSI  | 2-1/2", 200PSI    | CGA510           | 7/8" - 14LH(M)    |
| 155X-125     | OXYGEN                                 | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA540           | 7/8" - 14RH(M)    |
| 155X-200     |                                        |                              | 10-200                          |                 | 2-1/2", 400PSI    |                  |                   |
| 155Y-15      | ACETYLENE                              | 400                          | 2-15                            | 2-1/2", 400PSI  | 2-1/2", 30PSI, RL | CGA510           | 7/8" - 14LH(M)    |
| 155Y-15-3    |                                        |                              |                                 |                 |                   | CGA300           |                   |
| 155IN-125    | INERT GAS<br>(Ar, He, N <sub>2</sub> ) | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA580           | 7/8" - 14RH(M)    |
| 155IN-200    |                                        |                              | 10-200                          |                 | 2-1/2", 400PSI    |                  |                   |
| 155Q-125     | AIR                                    | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA346           | 7/8" - 14RH(M)    |
| 155Q-200     |                                        |                              | 10-200                          |                 | 2-1/2", 400PSI    |                  |                   |
| 155H-200     | HYDROGEN<br>METHANE                    | 3000                         | 10-200                          | 2-1/2", 4000PSI | 2-1/2", 400PSI    | CGA350           | 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

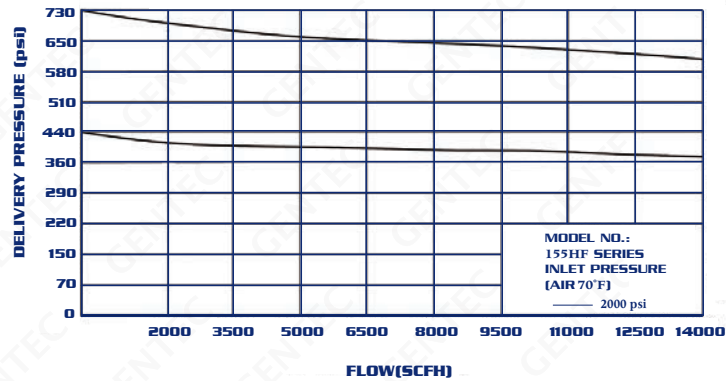
155HF Series Single Stage Regulators

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
- Conforms to CGA E-4 standard for gas pressure regulators



155HF



| Model Number | Gas Service            | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge    | Inlet Connection* | Outlet Connection |
|--------------|------------------------|------------------------------|---------------------------------|-----------------|-----------------|-------------------|-------------------|
| 155HFX-800   | OXYGEN                 | 3000                         | 500-800                         | 2-1/2", 4000PSI | 2-1/2", 2000PSI | CGA540            | 7/8" - 14RH(M)    |
| 155HFIN-600  | Ar, He, N <sub>2</sub> | 3000                         | 500-800                         | 2-1/2", 4000PSI | 2-1/2", 2000PSI | CGA580            | 7/8" - 14RH(M)    |

156D SERIES

Combination Spring and Dome Loaded Regulators

Industrial Gas Apparatus

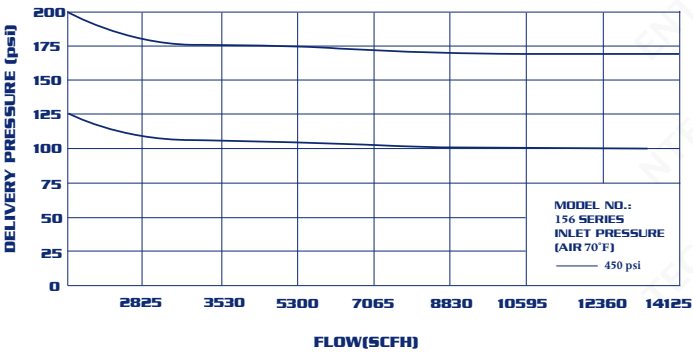
156D Series Combination Spring and Dome Loaded Regulators

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 400m³/h flowrate (14,125 SCFH)
- Brass body
- Weight: 15 lbs 12 oz
- Conforms to CGA E-4 standard for gas pressure regulators



156D



| Model Number | Gas Service                     | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Connection | Outlet Connection |
|--------------|---------------------------------|------------------------------|---------------------------------|------------------|-------------------|
| 156DX-125    | OXYGEN                          | 3000                         | 0-125                           | 1" NPT(F)        | 1" NPT(F)         |
| 156DIN-125   | Air, N <sub>2</sub> , Inert Gas | 3000                         | 0-125                           | 1" NPT(F)        | 1" NPT(F)         |
| 156DIN-450   | Air, N <sub>2</sub> , Inert Gas | 3000                         | 0-450                           | 1" NPT(F)        | 1" NPT(F)         |
| 156DH-125    | H <sub>2</sub>                  | 3000                         | 0-125                           | 1" NPT(F)        | 1" NPT(F)         |
| 156DLX-125   | OXYGEN                          | 400                          | 0-125                           | 1" NPT(F)        | 1" NPT(F)         |
| 156DLIN-125  | Air, N <sub>2</sub> , Inert Gas | 400                          | 0-125                           | 1" NPT(F)        | 1" NPT(F)         |
| 156DLH-125   | H <sub>2</sub>                  | 400                          | 0-125                           | 1" NPT(F)        | 1" NPT(F)         |

152T SERIES

Medium Duty Two Stage Regulators

Industrial Gas Apparatus

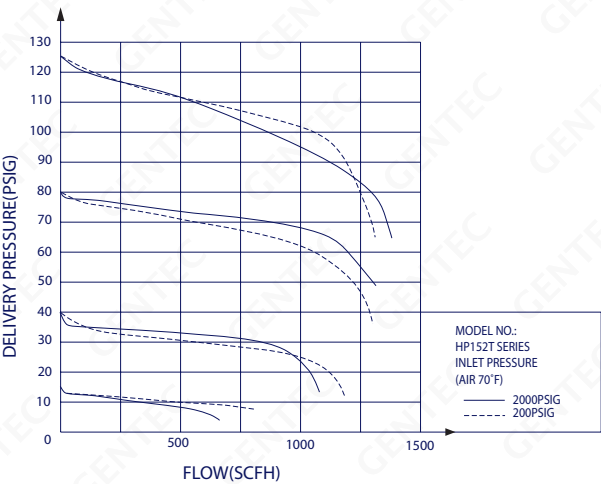
152T Series Two Stage Regulators

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
- Conforms to CGA E-4 standard for gas pressure regulators



152T



| Model Number | Gas Service                         | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge | Outlet Gauge  | Inlet Connection | Outlet Connection |
|--------------|-------------------------------------|------------------------------|---------------------------------|-------------|---------------|------------------|-------------------|
| 152TF-80     | L.P. GAS                            | 400                          | 4-80                            | 2", 400PSI  | 2", 100PSI    | CGA510           | 9-16" - 18LH(M)   |
| 152TX-80     | OXYGEN                              | 3000                         | 4-80                            | 2", 4000PSI | 2", 100PSI    | CGA540           | 9-16" - 18RH(M)   |
| 152TY-15     | ACETYLENE                           | 400                          | 2-15                            | 2", 400PSI  | 2", 30PSI, RL | CGA510           | 9-16" - 18LH(M)   |
| 152TY-15-3   |                                     |                              |                                 |             |               | CGA300           |                   |
| 152TIN-125   | INERT GAS (Ar, He, N <sub>2</sub> ) | 3000                         | 5-125                           | 2", 4000PSI | 2", 200PSI    | CGA580           | 5/8" - 18RH(F)    |
| 152TQ-125    | AIR                                 | 3000                         | 5-125                           | 2", 4000PSI | 2", 200PSI    | CGA346           | 9/16" - 18RH(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

Gauge Guard Models



152TX-80G



152TY-15G  
152TY-15-3G

153T SERIES

Heavy Duty Two Stage Regulators

Industrial Gas Apparatus

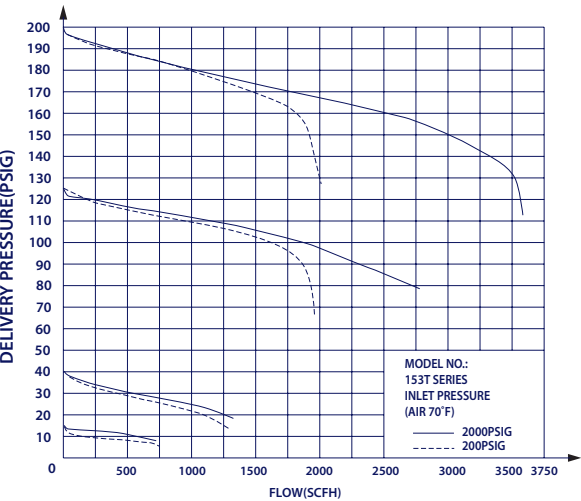
153T Series Two Stage Regulators

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.

- Forged brass body and housing cap
- Delrin cap bushing for smooth adjustments
- Self re-seating external pressure relief valve
- Sintered bronze inlet filter
- Steel Gauge Protectors are color coded: green for Oxygen (GP21X) and red for Acetylene (GP21Y)
- Stem-type seat assembly for more reliable seating
- 2-1/2" gauges for easy reading
- 2" and 3-1/4" diaphragms
- Weight: 7 lbs 6 oz
- Conforms to CGA E-4 standard for gas pressure regulators



153T



Gauge Guard Models



153TX-125G



153TY-15G  
153TY-15-3G

| Model Number | Gas Service                         | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge      | Inlet Connection | Outlet Connection |
|--------------|-------------------------------------|------------------------------|---------------------------------|-----------------|-------------------|------------------|-------------------|
| 153TF-125    | L.P. GAS                            | 400                          | 5-125                           | 2-1/2", 400PSI  | 2-1/2", 200PSI    | CGA510           | 9/16" - 18LH(M)   |
| 153TX-125    | OXYGEN                              | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA540           | 9/16" - 18RH(M)   |
| 153TX-250    |                                     |                              | 10-250                          |                 | 2-1/2", 400PSI    |                  |                   |
| 153TY-15     | ACETYLENE                           | 400                          | 2-15                            | 2-1/2", 400PSI  | 2-1/2", 30PSI, RL | CGA510           | 9/16" - 18LH(M)   |
| 153TY-15-3   |                                     |                              |                                 |                 |                   | CGA300           |                   |
| 153TIN-125   | INERT GAS (Ar, He, N <sub>2</sub> ) | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA580           | 5/8" - 18RH(F)    |
| 153TIN-250   |                                     |                              | 10-250                          |                 | 2-1/2", 400PSI    |                  |                   |
| 153TQ-125    | AIR                                 | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA590           | 5/8" - 18RH(F)    |
| 153TQ-200    |                                     |                              | 10-200                          |                 | 2-1/2", 400PSI    | CGA346           | 9/16" - 18RH(M)   |
| 153TC-125    | CARBON DIOXIDE                      | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA320           | 5/8" - 18RH(F)    |
| 153TC-200    |                                     |                              | 10-200                          |                 | 2-1/2", 400PSI    |                  |                   |

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

Extra Heavy Duty Two Stage Regulators

Industrial Gas Apparatus

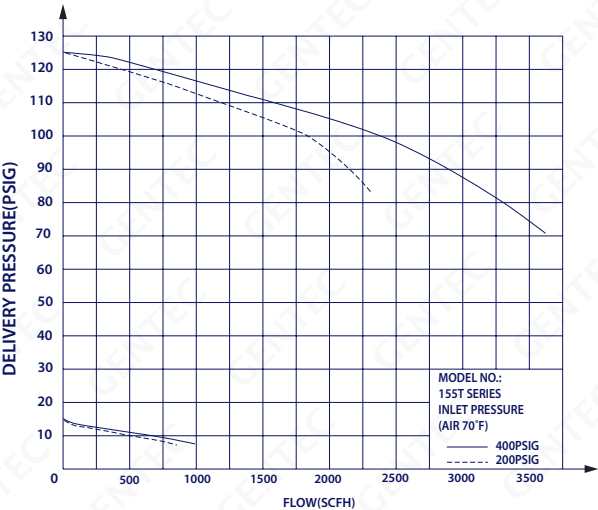
155T Series Two Stage Regulators

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



155T



| Model Number | Gas Service                         | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge      | Inlet Connection | Outlet Connection |
|--------------|-------------------------------------|------------------------------|---------------------------------|-----------------|-------------------|------------------|-------------------|
| 155TF-125    | L.P. GAS                            | 400                          | 5-125                           | 2-1/2", 400PSI  | 2-1/2", 200PSI    | CGA510           | 7/8" - 14LH(M)    |
| 155TX-125    | OXYGEN                              | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA540           | 7/8" - 14RH(M)    |
| 155TX-200    |                                     |                              | 10-200                          |                 | 2-1/2", 400PSI    |                  |                   |
| 155TY-15     | ACETYLENE                           | 400                          | 2-15                            | 2-1/2", 400PSI  | 2-1/2", 30PSI, RL | CGA510           | 7/8" - 14LH(M)    |
| 155TY-15-3   |                                     |                              |                                 |                 |                   | CGA300           |                   |
| 155TIN-125   | INERT GAS (Ar, He, N <sub>2</sub> ) | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA580           | 7/8" - 14RH(M)    |
| 155TIN-200   |                                     |                              | 10-200                          |                 | 2-1/2", 400PSI    |                  |                   |
| 155TQ-125    | AIR                                 | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | CGA590           | 7/8" - 14RH(M)    |
| 155TQ-200    |                                     |                              | 10-200                          |                 | 2-1/2", 400PSI    | CGA346           |                   |

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

Industrial Gas Apparatus

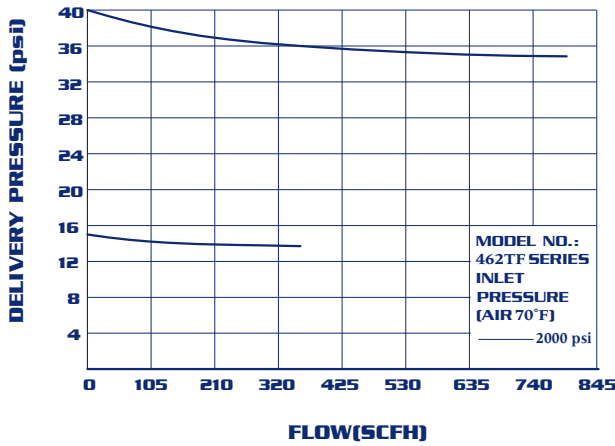
462TF Series Two Stage Regulator

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

- 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 lbs 8 oz
- Conforms to CGA E-4 standard for gas pressure regulators



462TF



| Model Number | Gas Service | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Maximum Delivery Flow | Inlet Gauge | Outlet Gauge | Inlet Connection* | Outlet Connection |
|--------------|-------------|------------------------------|---------------------------------|-----------------------|-------------|--------------|-------------------|-------------------|
| 462TF-40     | CNG         | 3600                         | 0-36                            | 0-350 SCFH            | 2", 6000PSI | 2", 60PSI    | BS2, G 5/8"-LH(M) | G 3/8" - LH(M)    |

\*Products can be ordered with German (DIN) connections or U.S.A. (CGA) connections. Please confirm when ordering.

152S SERIES

Medium Duty Station Regulators

Industrial Gas Apparatus

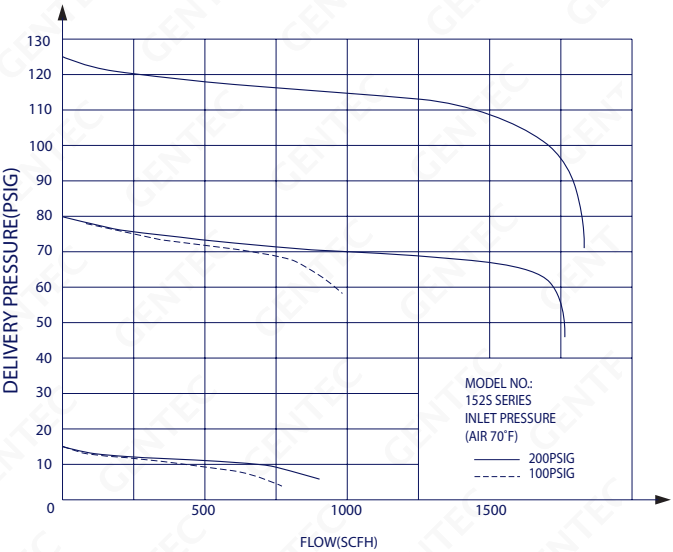
152S Series Station Regulators

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

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



152S



| Model Number | Gas Service                         | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge | Outlet Gauge  | Inlet Connection | Outlet Connection |
|--------------|-------------------------------------|------------------------------|---------------------------------|-------------|---------------|------------------|-------------------|
| 152SF-80     | L.P. GAS                            | 200                          | 4-80                            | NONE        | 2", 100PSI    | 7/8" - 14LH(F)   | 9/16" - 18LH(M)   |
| 152SF-125    |                                     |                              | 5-125                           |             | 2", 200PSI    |                  |                   |
| 152SX-40     | OXYGEN                              | 200                          | 2-40                            | NONE        | 2", 60PSI     | 7/8" - 14RH(F)   | 9/16" - 18RH(M)   |
| 152SX-80     |                                     |                              | 4-80                            |             | 2", 100PSI    |                  |                   |
| 152SX-125    |                                     |                              | 5-125                           |             | 2", 200PSI    |                  |                   |
| 152SY-15     | ACETYLENE                           | 200                          | 2-15                            | NONE        | 2", 30PSI, RL | 7/8" - 14LH(F)   | 9/16" - 18LH(M)   |
| 152SIN-40    | AIR<br>INERT GAS<br>CO <sub>2</sub> | 200                          | 2-40                            | NONE        | 2", 60PSI     | 7/8" - 14RH(M)   | 5/8" - 18RH(F)    |
| 152SIN-80    |                                     |                              | 4-80                            |             | 2", 100PSI    |                  |                   |
| 152SIN-125   |                                     |                              | 5-125                           |             | 2", 200PSI    |                  |                   |
| 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

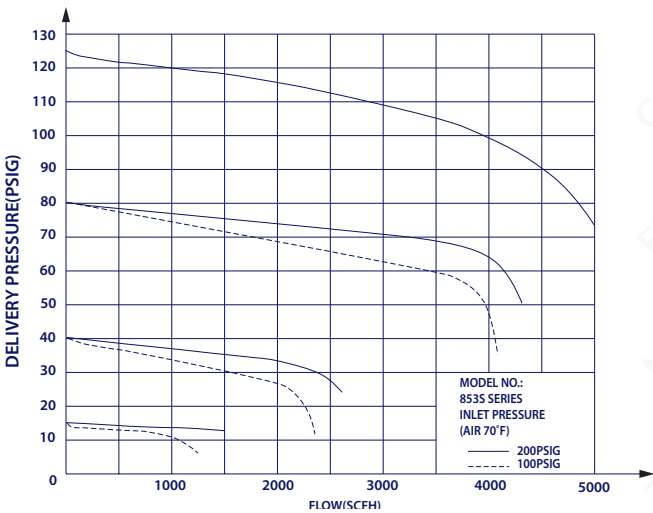
Medium-Heavy Duty Station Regulators

Industrial Gas 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 PSIG. 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
- 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 |
|--------------|-------------|------------------------------|---------------------------------|-------------|-------------------|------------------|-------------------|
| 853SF-80     | L.P. GAS    | 200                          | 4-80                            | NONE        | 2-1/2", 100PSI    | 7/8" - 14LH(F)   | 9/16" - 18LH(M)   |
| 853SX-40     | OXYGEN      | 200                          | 2-40                            | NONE        | 2-1/2", 60PSI     | 7/8" - 14RH(F)   | 9/16" - 18RH(M)   |
| 853SX-80     |             |                              | 4-80                            |             | 2-1/2", 100PSI    |                  |                   |
| 853SX-125    |             |                              | 5-125                           |             | 2-1/2", 200PSI    |                  |                   |
| 853SY-15     | ACETYLENE   | 200                          | 2-15                            | NONE        | 2-1/2", 30PSI, 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



853S

853SR SERIES

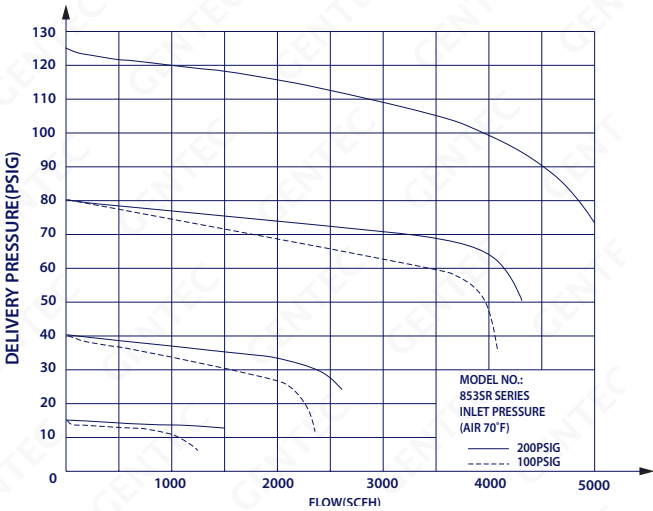
Medium-Heavy Duty Station Regulators

Industrial Gas Apparatus

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 PSIG. 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
- 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 |
|--------------|------------------------------|------------------------------|---------------------------------|-------------|-------------------|------------------|-------------------|
| 853SRF-80    | L.P. GAS                     | 200                          | 4-80                            | NONE        | 2-1/2", 100PSI    | 7/8" - 14LH(F)   | 9/16" - 18LH(M)   |
| 853SRIN-80   | INERT GAS<br>CO <sub>2</sub> | 200                          | 4-80                            | NONE        | 2-1/2", 100PSI    | 7/8" - 14RH(M)   | 5/8" - 18RH(F)    |
| 853SRIN-125  |                              |                              | 5-125                           |             | 2-1/2", 200PSI    |                  |                   |
| 853SRX-80    | OXYGEN                       | 200                          | 4-80                            | NONE        | 2-1/2", 100PSI    | 7/8" - 14RH(F)   | 9/16" - 18RH(M)   |
| 853SRX-125   |                              |                              | 5-125                           |             | 2-1/2", 200PSI    |                  |                   |
| 853SRX-200   |                              |                              | 10-200                          |             | 2-1/2", 300PSI    |                  |                   |
| 853SRY-15    | ACETYLENE                    | 200                          | 2-15                            | NONE        | 2-1/2", 30PSI, 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

155S SERIES

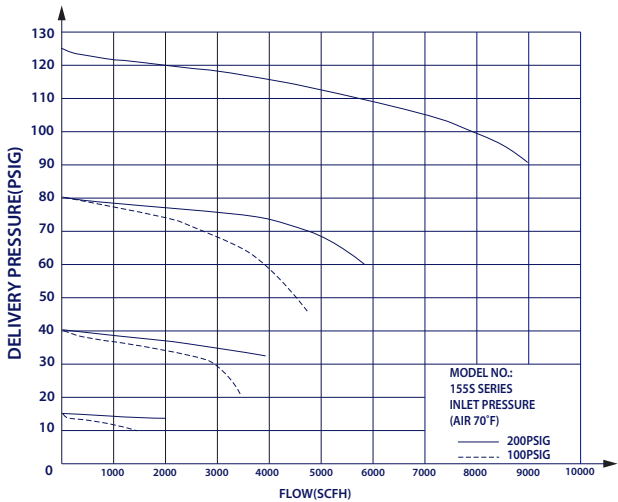
Heavy Duty Station Regulators

Industrial Gas Apparatus

155S Series Station Regulators

Designed for high flow gas distribution systems in heavy duty capacity flow applications. Maximum inlet pressure of 350 PSIG. 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
- 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 |
|--------------|----------------------------------------|------------------------------|---------------------------------|-------------|-------------------|----------------------|-------------------|
| 155SF-80     | L.P. GAS                               | 350                          | 4-80                            | NONE        | 2-1/2", 100PSI    | 1" - 11-1/2NPS LH(F) | 7/8" - 14LH(M)    |
| 155SX-125    | OXYGEN<br>INERT GAS<br>CO <sub>2</sub> | 350                          | 5-125                           | NONE        | 2-1/2", 200PSI    | 1" - 11-1/2NPS RH(F) | 7/8" - 14RH(M)    |
| 155SY-15     | ACETYLENE                              | 350                          | 2-15                            | NONE        | 2-1/2", 30PSI, 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



155S

152L SERIES

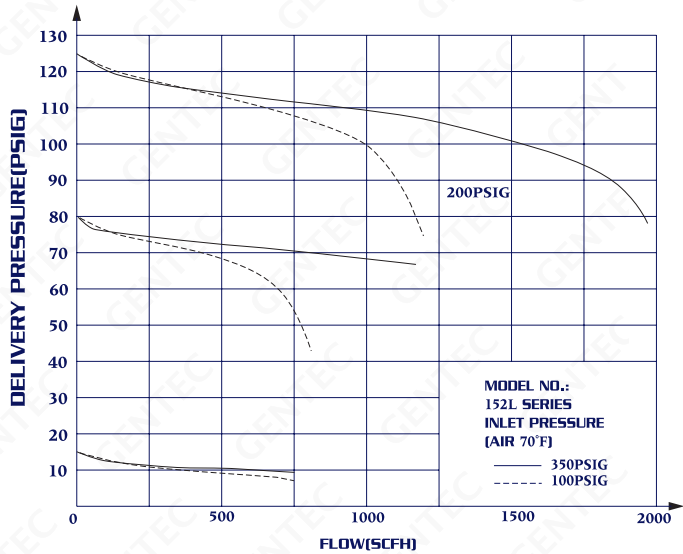
Medium-Heavy Duty Pipeline Regulators

Industrial Gas Apparatus

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 PSIG. 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
- 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                          | 4-80                            | NONE        | 2", 100PSI    | 1/4"NPT(F) PORT  | 1/4"NPT(F) PORT   |
| 152LX-80     | OXYGEN<br>INERT GAS<br>CO <sub>2</sub> , AIR | 350                          | 4-80                            | NONE        | 2", 100PSI    | 1/4"NPT(F) PORT  | 1/4"NPT(F) PORT   |
| 152LX-125    |                                              |                              | 5-125                           |             | 2", 200PSI    |                  |                   |
| 152LX-200    |                                              |                              | 10-200                          |             | 2", 400PSI    |                  |                   |
| 152LY-15     | ACETYLENE                                    | 350                          | 2-15                            | NONE        | 2", 30PSI, 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



152L

853L SERIES

Medium-Heavy Duty Pipeline Regulators

Industrial Gas Apparatus

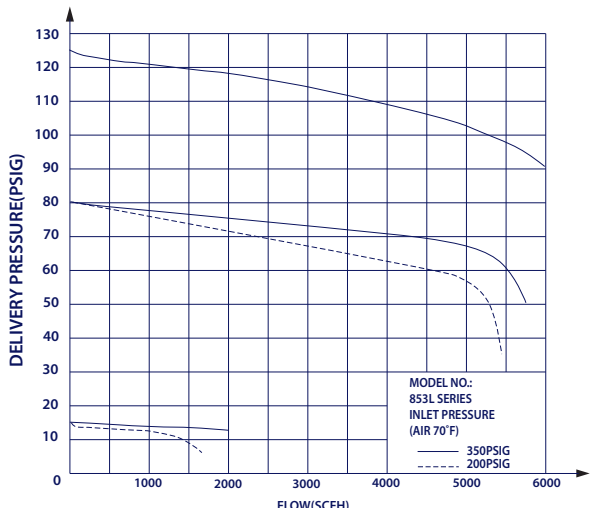
853L Series Pipeline Regulators

Designed for use with gas distribution systems in medium to heavy flow applications, with a maximum inlet pressure of 350 PSIG. 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
- Conforms to CGA E-4 standard for gas pressure regulators



853L



| Model Number | Gas Service                                  | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge | Outlet Gauge      | Inlet Connection | Outlet Connection |
|--------------|----------------------------------------------|------------------------------|---------------------------------|-------------|-------------------|------------------|-------------------|
| 853LF-125    | L.P. GAS                                     | 350                          | 5-125                           | NONE        | 2-1/2", 200PSI    | 1/4"NPT(F) PORT  | 1/4"NPT(F) PORT   |
| 853LX-125    | OXYGEN<br>INERT GAS<br>CO <sub>2</sub> , AIR | 350                          | 5-125                           | NONE        | 2-1/2", 200PSI    | 1/4"NPT(F) PORT  | 1/4"NPT(F) PORT   |
| 853LY-15     | ACETYLENE                                    | 350                          | 2-15                            | NONE        | 2-1/2", 30PSI, 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

155L SERIES

Heavy Duty Pipeline Regulators

Industrial Gas Apparatus

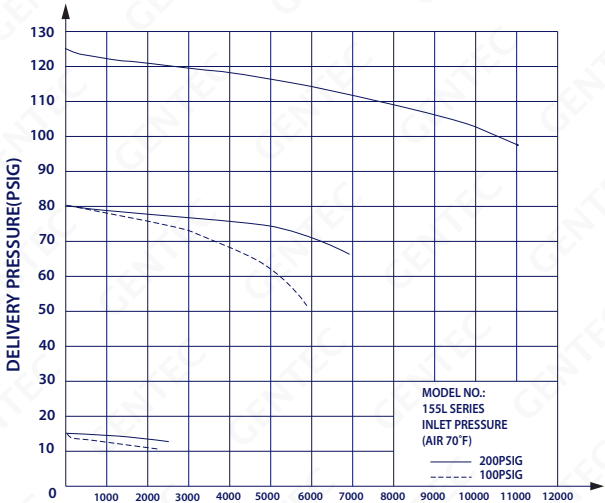
155L Series Pipeline Regulators

Designed for use with heavy flow gas distribution systems, with a maximum inlet pressure of 350 PSIG. 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
- Conforms to CGA E-4 standard for gas pressure regulators



155L



| Model Number | Gas Service                                  | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge | Outlet Gauge      | Inlet Connection | Outlet Connection |
|--------------|----------------------------------------------|------------------------------|---------------------------------|-------------|-------------------|------------------|-------------------|
| 155LF-125    | L.P. GAS                                     | 350                          | 5-125                           | NONE        | 2-1/2", 200PSI    | 3/4"NPT(F) PORT  | 3/4"NPT(F) PORT   |
| 155LF-200    |                                              |                              | 10-200                          |             | 2-1/2", 400PSI    |                  |                   |
| 155LX-80     | OXYGEN<br>INERT GAS<br>CO <sub>2</sub> , AIR | 350                          | 4-80                            | NONE        | 2-1/2", 100PSI    | 3/4"NPT(F) PORT  | 3/4"NPT(F) PORT   |
| 155LX-125    |                                              |                              | 5-125                           |             | 2-1/2", 200PSI    |                  |                   |
| 155LX-200    |                                              |                              | 10-200                          |             | 2-1/2", 400PSI    |                  |                   |
| 155LY-15     | ACETYLENE                                    | 350                          | 2-15                            | NONE        | 2-1/2", 30PSI, 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

153M SERIES

Heavy Duty Manifold Regulators

Industrial Gas Apparatus

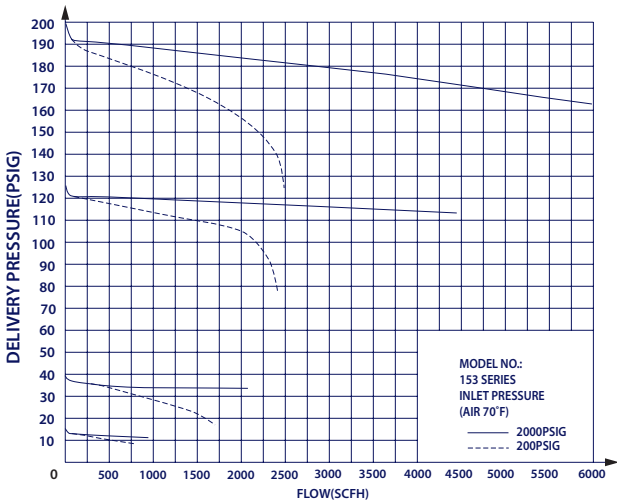
153M Series Manifold Regulators

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
- Conforms to CGA E-4 standard for gas pressure regulators



153M



| Model Number | Gas Service                                  | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge      | Inlet Connection     | Outlet Connection    |
|--------------|----------------------------------------------|------------------------------|---------------------------------|-----------------|-------------------|----------------------|----------------------|
| 153MF-40     | L.P. GAS                                     | 400                          | 2-40                            | 2-1/2", 400PSI  | 2-1/2", 60PSI     | 1" - 11-1/2NPS LH(M) | 1" - 11-1/2NPS LH(F) |
| 153MF-125    |                                              |                              | 5-125                           |                 | 2-1/2", 200PSI    |                      |                      |
| 153MX-125    | OXYGEN<br>INERT GAS<br>CO <sub>2</sub> , AIR | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | 1" - 11-1/2NPS RH(M) | 1" - 11-1/2NPS RH(F) |
| 153MX-200    |                                              |                              | 10-200                          |                 | 2-1/2", 400PSI    |                      |                      |
| 153MY-15     | ACETYLENE                                    | 400                          | 2-15                            | 2-1/2", 400PSI  | 2-1/2", 30PSI, 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

153TM SERIES

Heavy Duty Two Stage Manifold Regulators

Industrial Gas Apparatus

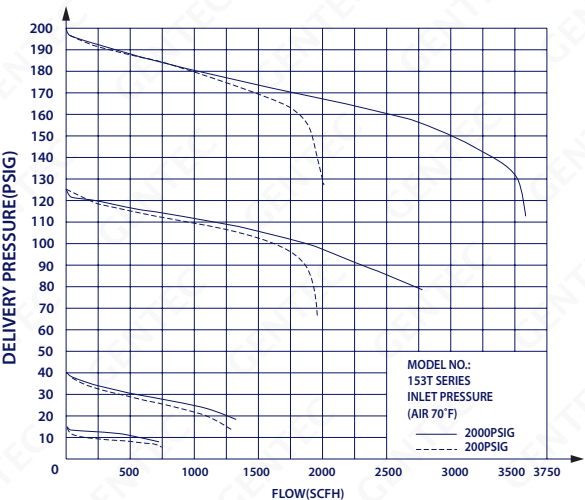
153TM Series Two Stage Manifold Regulators

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

- Dual-stage construction
- Delrin cap bushing for smooth adjustments
- Forged brass body and housing cap
- Sintered bronze inlet filter
- 2-1/2" gauges for easy reading
- 2" & 3-1/4" stainless steel diaphragms
- Conforms to CGA E-4 standard for gas pressure regulators



153TM



| Model Number | Gas Service                                  | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge      | Inlet Connection     | Outlet Connection    |
|--------------|----------------------------------------------|------------------------------|---------------------------------|-----------------|-------------------|----------------------|----------------------|
| 153TMX-125   | OXYGEN<br>INERT GAS<br>CO <sub>2</sub> , AIR | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | 1" - 11-1/2NPS RH(M) | 1" - 11-1/2NPS RH(F) |
| 153TMY-15    | ACETYLENE                                    | 400                          | 2-15                            | 2-1/2", 400PSI  | 2-1/2", 30PSI, 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

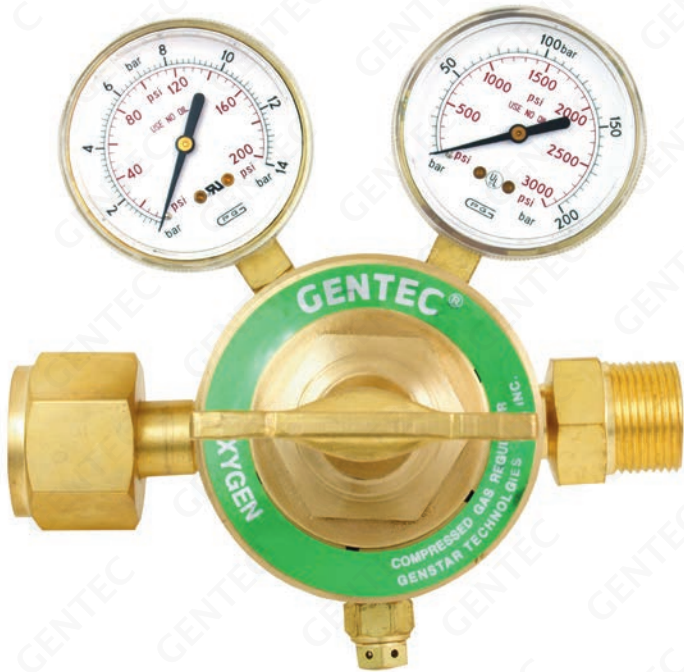
Extra Heavy Duty Manifold Regulators

Industrial Gas Apparatus

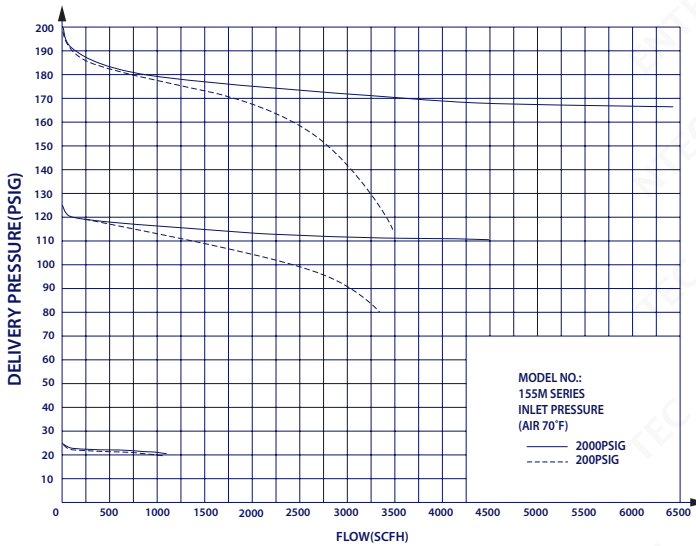
155M Series Manifold Regulators

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
- Conforms to CGA E-4 standard for gas pressure regulators



155M



| Model Number | Gas Service                                  | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge      | Inlet Connection     | Outlet Connection    |
|--------------|----------------------------------------------|------------------------------|---------------------------------|-----------------|-------------------|----------------------|----------------------|
| 155MIN-125   | OXYGEN<br>INERT GAS<br>CO <sub>2</sub> , AIR | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | 1" - 11-1/2NPS RH(M) | 1" - 11-1/2NPS RH(F) |
| 155MIN-200   |                                              |                              | 10-200                          |                 | 2-1/2", 400PSI    |                      |                      |
| 155MY-15     | ACETYLENE                                    | 400                          | 2-15                            | 2-1/2", 400PSI  | 2-1/2", 30PSI, 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

155TM SERIES

Extra Heavy Duty Manifold Regulators

Industrial Gas Apparatus

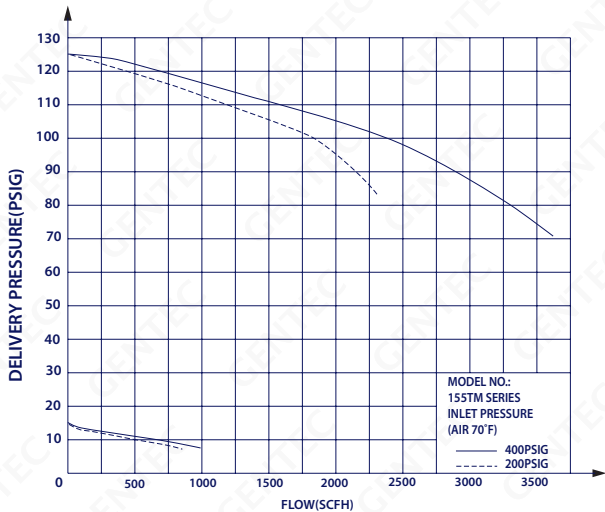
155TM Series Two Stage Manifold Regulators

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

- Dual-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
- 2" & 3-1/4" stainless steel diaphragms
- Conforms to CGA E-4 standard for gas pressure regulators



155TM



| Model Number | Gas Service                                  | Maximum Inlet Pressure (PSI) | Maximum Delivery Pressure (PSI) | Inlet Gauge     | Outlet Gauge      | Inlet Connection     | Outlet Connection    |
|--------------|----------------------------------------------|------------------------------|---------------------------------|-----------------|-------------------|----------------------|----------------------|
| 155TMIN-125  | OXYGEN<br>INERT GAS<br>CO <sub>2</sub> , AIR | 3000                         | 5-125                           | 2-1/2", 4000PSI | 2-1/2", 200PSI    | 1" - 11-1/2NPS RH(M) | 1" - 11-1/2NPS RH(F) |
| 155TMIN-200  |                                              |                              | 10-200                          |                 | 2-1/2", 400PSI    |                      |                      |
| 155TMY-15    | ACETYLENE                                    | 400                          | 2-15                            | 2-1/2", 400PSI  | 2-1/2", 30PSI, 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

190 SERIES

Light Duty Flow Gauge Regulators

Industrial Gas 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
- UL listed



190AR1

| Model Number | Gas Service                   | Flow Capacity (SCFH) | Inlet Gauge | Outlet Gauge | Inlet Connection | Outlet Connection                |
|--------------|-------------------------------|----------------------|-------------|--------------|------------------|----------------------------------|
| 190AR1-50    | ARGON, AR/CO <sub>2</sub> MIX | 0-50                 | NONE        | 2", 50SCFH   | CGA580           | 5/8" - 18RH(F), .032 ORIFICE     |
| 190AR1-50-B  |                               |                      |             |              |                  | 3/16" BARB, .032 ORIFICE         |
| 190AR1-50-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
- UL listed



190AR

| Model Number | Gas Service                   | Flow Capacity (SCFH) | Inlet Gauge | Outlet Gauge | Inlet Connection | Outlet Connection                |
|--------------|-------------------------------|----------------------|-------------|--------------|------------------|----------------------------------|
| 190AR-50     | ARGON, AR/CO <sub>2</sub> MIX | 0-50                 | 2", 4000PSI | 2", 50SCFH   | CGA580           | 5/8" - 18RH(F), .032 ORIFICE     |
| 190AR-50-B   |                               |                      |             |              |                  | 3/16" BARB, .032 ORIFICE         |
| 190AR-50-P   |                               |                      |             |              |                  | 5/32" PUSH-IN-TUBE, .032 ORIFICE |
| 190CD-45     | CARBON DIOXIDE                | 0-45                 | 2", 4000PSI | 2", 50SCFH   | CGA320           | 5/8" - 18RH(F), .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

Medium Duty Flow Gauge Regulators

Industrial Gas Apparatus

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



152CD

| Model Number | Gas Service                   | Flow Capacity (SCFH) | Inlet Gauge | Outlet Gauge | Inlet Connection | Outlet Connection            |
|--------------|-------------------------------|----------------------|-------------|--------------|------------------|------------------------------|
| 152AR-100    | ARGON, AR/CO <sub>2</sub> MIX | 0-100                | 2", 4000PSI | 2", 100SCFH  | CGA580           | 5/8" - 18RH(F), .032 ORIFICE |
| 152CD-100    | CARBON DIOXIDE                | 0-100                | 2", 4000PSI | 2", 100SCFH  | CGA320           | 5/8" - 18RH(F), .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

Industrial Gas 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

| Model Number | Gas Service                   | Maximum Delivery Pressure (PSI) | Inlet Gauge      | Outlet Gauge | Inlet Connection | Outlet Connection        | Equivalent |
|--------------|-------------------------------|---------------------------------|------------------|--------------|------------------|--------------------------|------------|
| 220-50       | ARGON, AR/CO <sub>2</sub> 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)

| 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 <sub>2</sub> MIX |                                  | NONE                |              | CGA580           |                   |
| 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

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

191 & 791AR-60 SERIES

Medium Duty & Economical Light Duty Flowmeter Regulators

Industrial Gas Apparatus

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 50PSIG
- Piston-type construction
- Body machined from class “A” brass
- Internal pressure relief valve
- Polycarbonate flow tube and hood are impact resistant for maximum durability and service life
- Calibrated for argon, CO<sub>2</sub>, helium, nitrogen, air, and 75% argon / 25% CO<sub>2</sub> mixed gases
- Backpressure compensated to ensure accurate readings when line restrictions are present
- Sintered bronze inlet filter
- Comes with 5/8"-18RH Female fitting (with the attached Adaptor) and 9/16"-18RH
- Male fitting (without adaptor)
- Weight: 1 lbs 10 oz
- Conforms to CGA E-4 Standard for Gas Pressure Regulators

| Model Number | Gas Service                   | Outlet Pressure Preset (PSI) | Inlet Gauge     | Flowmeter (SCFH) | Inlet Connection | Outlet Connection            |
|--------------|-------------------------------|------------------------------|-----------------|------------------|------------------|------------------------------|
| 191AR-60     | ARGON, AR/CO <sub>2</sub> MIX | 50                           | 1-1/2", 4000PSI | 60               | CGA580           | 5/8" - 18RH(F)/9/16"-18RH(M) |
| 191HE-150    | HELIUM                        |                              |                 | 150              | CGA580           |                              |
| 191CD-60     | CARBON DIOXIDE                |                              |                 | 60*              | CGA320           |                              |
| 191NR-70     | NITROGEN                      |                              |                 | 70               | CGA580           |                              |
| 191QR-70     | AIR                           |                              |                 | 70               | CGA590           |                              |

\*Maximum Actual Flow 30SCFH with Continuous Cold Cabon Dioxide

791AR-60 Flowmeter Regulator

791AR-60 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

| Model Number | Gas Service                   | Outlet Pressure Preset (PSI) | Inlet Gauge     | Flowmeter (SCFH) | Inlet Connection | Outlet Connection |
|--------------|-------------------------------|------------------------------|-----------------|------------------|------------------|-------------------|
| 791AR-60     | ARGON, AR/CO <sub>2</sub> MIX | 50                           | 1-1/2", 4000PSI | 60               | CGA580           | 5/8" - 18RH(F)    |

195 & 195T SERIES

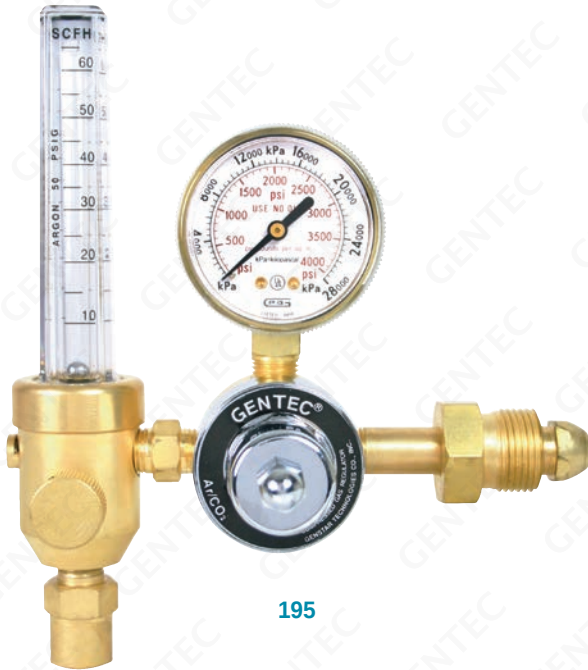
Heavy Duty Flowmeter Regulators

Industrial Gas 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 50PSIG
- 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% CO<sub>2</sub> 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
- UL Listed



| Model Number  | Gas Service    | Outlet Pressure Preset (PSI) | Inlet Gauge | Flowmeter (SCFH) | Inlet Connection | Outlet Connection |
|---------------|----------------|------------------------------|-------------|------------------|------------------|-------------------|
| 195AR-60      | ARGON          | 50                           | 2", 4000PSI | 60               | CGA580           | 5/8" - 18RH(F)    |
| 195AR-60-680  |                |                              | 2", 6000PSI |                  | CGA680           |                   |
| 195HE-150     | HELIUM         |                              | 2", 4000PSI | 150              | CGA580           |                   |
| 195HE-150-680 |                |                              | 2", 6000PSI |                  | CGA680           |                   |
| 195CD-60      | CARBON DIOXIDE |                              | 2", 4000PSI | 60*              | CGA320           |                   |
| 195TAR-60     | ARGON          | 50                           | 2", 4000PSI | 60               | CGA580           | 5/8" - 18RH(F)    |
| 195THE-150    | HELIUM         |                              |             | 150              | CGA580           |                   |
| 195TCD-60     | CARBON DIOXIDE |                              |             | 60*              | CGA320           |                   |

\*Maximum Actual Flow 30SCFH with Continuous Cold CO2

MIG/TIG SHIELDING GAS KITS

Flowmeter/Flowgauge Regulators

MIG/TIG Shielding Gas Kits-Flowmeter /Flowgauge Regulator with 1/4"x6' and 1/4"x10' Hoses



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      | 190AR1-50              | 1/4"x 6'  |  |  |  |
| 190AR-50-6HSP  |                               |              |                              |                | 190AR-50               | 1/4"x 10' |  |  |  |
| 190AR-50-10HSP |                               |              |                              |                |                        |           |  |  |  |
| 190CD-45-6HSP  | CARBON DIOXIDE                | SKIN PACKAGE | 50                           | FLOWGAUGE      | 190CD-45               | 1/4"x 6'  |  |  |  |
| 191AR-60-6HSP  | ARGON, AR/CO <sub>2</sub> MIX | SKIN PACKAGE | 60                           | FLOWMETER      | 191CD-60               | 1/4"x 6'  |  |  |  |
| 191AR-60-10HSP |                               | CLAM SHELL   |                              |                |                        | 1/4"x 10' |  |  |  |
| 191AR-60-6HSP  |                               |              |                              |                |                        | 1/4"x 6'  |  |  |  |
| 191CD-60-6HSP  | CARBON DIOXIDE                | SKIN PACKAGE | 60                           | FLOWMETER      | 191CD-60               | 1/4"x 6'  |  |  |  |
| 191CD-60-6HCS  |                               | CLAM SHELL   |                              |                |                        |           |  |  |  |
| 791AR-60-6HSP  | ARGON, AR/CO <sub>2</sub> MIX | SKIN PACKAGE | 60                           | FLOWMETER      | 791AR-60               | 1/4"x 6'  |  |  |  |
| 195AR-60-6HSP  |                               |              |                              |                | 195AR-60               |           |  |  |  |
| 195CD-60-6HSP  | CARBON DIOXIDE                | SKIN PACKAGE | 60                           | FLOWMETER      | 195CD-60               | 1/4"x 6'  |  |  |  |

196 DUAL & 195FM SERIES

Dual Flowmeter Regulators & Flowmeters

Industrial Gas 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 50PSIG
- 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% CO<sub>2</sub> mixed gases
- Flowmeter is backpressure compensated to ensure accurate readings when line restrictions are present
- Sintered bronze inlet filter
- Weight: 4 lbs 10 oz
- Conforms to CGA E-4 Standard for Gas Pressure Regulators



196

| Model Number | Gas Service                   | Outlet Pressure Preset (PSI) | Inlet Gauge | Flowmeter (SCFH) | Inlet Connection | Outlet Connection |
|--------------|-------------------------------|------------------------------|-------------|------------------|------------------|-------------------|
| 196AR-60     | ARGON, AR/CO <sub>2</sub> MIX | 50                           | 2", 4000PSI | 60               | CGA580           | 5/8" - 18RH(F)    |
| 196HE-150    | HELIUM                        |                              |             | 150              |                  |                   |

195FM Series Flowmeters

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

- Maximum inlet pressure 50PSI
- 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, CO<sub>2</sub> and 75% argon / 25% CO<sub>2</sub> mixed gases at 50 PSI inlet pressure
- Easy to “fine-tune” flow settings with adjustable brass knob
- Weight: 1 lb 2 oz
- UL Listed



195FM

| Model Number | Gas Service                   | Maximum Inlet Preset (PSI) | Flowmeter Range (SCFH) | Inlet Connection | Outlet Connection |
|--------------|-------------------------------|----------------------------|------------------------|------------------|-------------------|
| 195FM        | ARGON, AR/CO <sub>2</sub> MIX | 50                         | 0-60                   | 1/4" NPT(M)      | 5/8" - 18RH(F)    |
| 195FM-5      |                               |                            |                        | 5/8"-18RH(M)     |                   |
| 195FM-9      |                               |                            |                        | 9/16"-18RH(F)    |                   |
| 195FM-7      |                               |                            |                        | 7/8"-14RH(F)     | 9/16" - 14RH(M)   |

198CD-60 & 199CD-60

Electrically Heated & Radiator Flowmeter Regulators

Industrial Gas Apparatus

198CD-60 Electrically Heated Flowmeter Regulator for CO<sub>2</sub>

Model 198CD-60 Electrically-Heated Flowmeter Regulator for CO<sub>2</sub> is designed for applications requiring high gas flow rates, up to 60 SCFH without freezing.

- Regulator is preset at 50 PSI
- Thermostatically-controlled built-in electric
- Heater keeps the CO<sub>2</sub> warm and provides continuous duty cycle without freezing
- 110VAC / 190W heater is standard
- Voltage output will vary in some locations
- Please specify your voltage requirements when ordering
- Flowmeter is backpressure compensated to ensure accurate reading when line restrictions are present
- Forged brass body and housing cap
- Sintered bronze inlet filter
- Weight: 4 lbs 11 oz



198CD-60

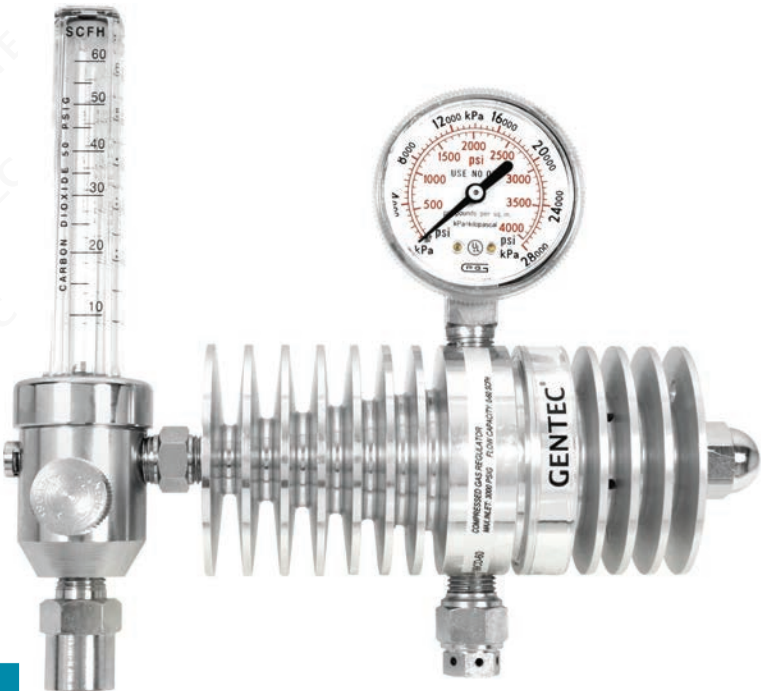
| Model Number | Gas Service    | Outlet Pressure Preset (PSI) | Inlet Gauge | Flowmeter (SCFH) | Inlet Connection | Outlet Connection |
|--------------|----------------|------------------------------|-------------|------------------|------------------|-------------------|
| 198CD-60     | CARBON DIOXIDE | 50                           | 2", 4000PSI | 60               | CGA320           | 5/8" - 18RH(F)    |

CAUTION: Use this regulator only with non-siphoned standard CO<sub>2</sub> cylinders

199CD-60 Radiator Flowmeter Regulator for CO<sub>2</sub>

Model 199CD-60 Radiator-Type Regulator / Flowmeter for CO<sub>2</sub> is designed for applications requiring high gas flow rates, up to 60 SCFH without freezing.

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



199CD-60

| Model Number | Gas Service    | Outlet Pressure Preset (PSI) | Inlet Gauge | Flowmeter (SCFH) | Inlet Connection | Outlet Connection |
|--------------|----------------|------------------------------|-------------|------------------|------------------|-------------------|
| 199CD-60     | CARBON DIOXIDE | 50                           | 2", 4000PSI | 60               | CGA320           | 5/8" - 18RH(F)    |

CAUTION: Use this regulator only with non-siphoned standard CO<sub>2</sub> cylinders

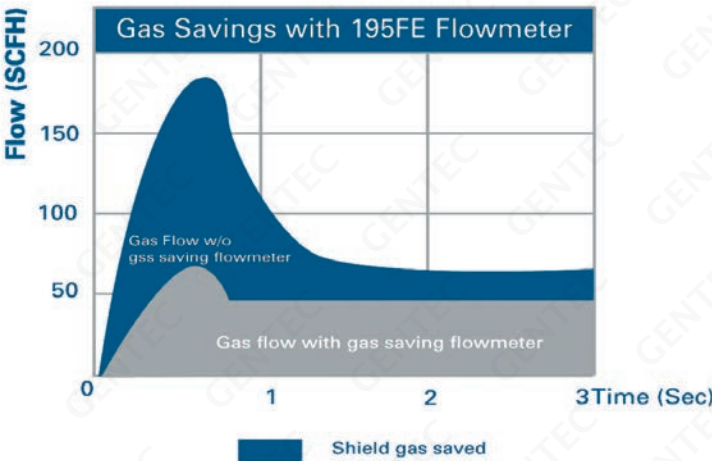
195AE-60

Gas Saving Flowmeter Regulator Heavy Duty

Industrial Gas 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-60 Gas Saving Flowmeter Regulator

- Regulator is preset at 50PSIG
- 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
- Optional BSP, JIS, DIN inlet connections are available



| Model Number | Gas Service                   | Outlet Pressure Preset (PSI) | Inlet Gauge | Flowmeter (SCFH) | Inlet Connection | Outlet Connection |
|--------------|-------------------------------|------------------------------|-------------|------------------|------------------|-------------------|
| 195AE-60     | ARGON, AR/CO <sub>2</sub> MIX | 50                           | 2", 4000PSI | 60               | CGA580           | 5/8" - 18RH(F)    |

\*Actual savings depend on specific requirements of welding operation

194CE & 195FE SERIES

Industrial Gas Apparatus

Electrically Heated Gas Saving Flowmeter Regulator & Gas Saving Flowmeter

194CE Series Electrically Heated Gas Saving Flowmeter Regulator for CO<sub>2</sub>

- Thermostatically-controlled built-in electric heater keeps the CO<sub>2</sub> warm and provides a continuous duty cycle without freezing
- Regulator is preset at 50PSIG
- Single-stage regulator
- Chrome-plated forged brass body and housing cap
- Flowmeter is backpressure 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: 4 lbs 11 oz



CAUTION: Use this regulator only with non-siphoned standard CO<sub>2</sub> cylinders

| Model Number  | Gas Service    | Outlet Pressure Preset (PSI) | Inlet Gauge | Flowmeter (SCFH) | Inlet Connection | Outlet Connection | Supply Voltage |  |  |
|---------------|----------------|------------------------------|-------------|------------------|------------------|-------------------|----------------|--|--|
| 194CE-60-36   | CARBON DIOXIDE | 50                           | 2", 4000PSI | 60               | CGA320           | 5/8" - 18RH(F)    | 36VAC, 190W    |  |  |
| 194CE-60-110  |                |                              |             |                  |                  |                   | 110VAC, 190W   |  |  |
| 194CE-60-220  |                |                              |             |                  |                  |                   | 220VAC, 190W   |  |  |
| 194CE-100-36  |                |                              |             | 100              |                  |                   | 36VAC, 190W    |  |  |
| 194CE-100-110 |                |                              |             |                  |                  |                   | 110VAC, 190W   |  |  |
| 194CE-100-220 |                |                              |             |                  |                  |                   | 220VAC, 190W   |  |  |

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

| Model Number | Gas Service                                   | Maximum Inlet Preset (PSI) | Flowmeter (SCFH) | Inlet Connection | Outlet Connection |
|--------------|-----------------------------------------------|----------------------------|------------------|------------------|-------------------|
| 195FE        | ARGON, CO <sub>2</sub> AR/CO <sub>2</sub> MIX | 50                         | 0-60             | 1/4" NPT(M)      | 5/8" - 18RH(F)    |

\*Actual savings depend on specific requirements of welding operation



229, 230, 230HB SERIES

Balloon Filler Regulators

Industrial Gas 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, w/gauge: 13.9 oz

| 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, w/gauge: 1 lb 4 oz

| 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 w/gauge: 1 lb 4 oz

| 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

Industrial Gas 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 w/gauge: 1 lb 8 oz

| 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

Industrial Gas 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                          |



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                |



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 |



NITROGEN TIRE INFLATION KITS

Nitrogen Tire Inflation Kits & Accessories

Industrial Gas 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        |
|              | • GKNT KIT                              |
| GKNT20-T     | • GKNT KIT                              |
|              | • CRT20N CYLINDER CARRYING STAND        |
|              | • GKNT KIT                              |
|              | • GKNT KIT                              |
| GKNT40-TC    | • CY40-580 40 CU. FT. TANK, EMPTY       |
|              | • CRT40N CYLINDER CARRYING STAND        |
|              | • GKNT KIT                              |
|              | • GKNT KIT                              |
| GKNT40-T     | • GKNT KIT                              |
|              | • CRT40N CYLINDER CARRYING STAND        |

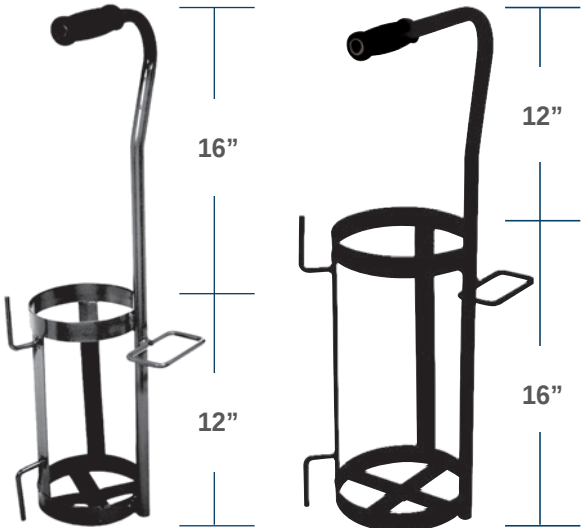


GKNT40-TC

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 |
| CRT40N       | 40 CU. FT. CYLINDER CARRYING STAND |
| CY20-580     | 20 CU. FT. CYLINDER, EMPTY         |
| CY40-580     | 40 CU. FT. CYLINDER, EMPTY         |



CRT20N

CRT40N

REGULATOR ACCESSORIES

Pressure Gauges

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.

1-1/2" Steel Case, Dual Scale  
1/8" NPT Inlet

| Model Number | Scale Ranges          | Entry Type | Case Color |
|--------------|-----------------------|------------|------------|
| G15-030RL    | 0-30 PSI RED          | SIDE       | RED        |
| G15-100      | 0-100 PSI             | SIDE       | GREEN      |
| G15-200      | 0-200 PSI             | SIDE       | GREEN      |
| G15-400      | 0-400 PSI             | SIDE       | RED        |
| GR15-3MEF    | 0-3000 PSI<br>CONTENT | REAR       | BLACK      |
| GR15-3000RF  | 0-3000PSI<br>CONTENT  | REAR       | BLACK      |
| G15-4000     | 0-4000 PSI            | SIDE       | GREEN      |
| GR15-4000    |                       | REAR       | BLACK      |
| GR15-4000G   |                       | REAR       | GOLD       |

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

| Model Number | Scale Ranges | Entry Type | Case Color |
|--------------|--------------|------------|------------|
| G20-030RL    | 0-30 PSI RED | SIDE       | GOLD       |
| G20-050CF    | 0-50 SCFH    | SIDE       | GOLD       |
| G20-060      | 0-60 PSI     | SIDE       | GOLD       |
| G20-100      | 0-100 PSI    | SIDE       | GOLD       |
| G20-200      | 0-200 PSI    | SIDE       | GOLD       |
| G20-300      | 0-300 PSI    | SIDE       | GOLD       |
| G20-400      | 0-400 PSI    | SIDE       | GOLD       |
| G20-600      | 0-600 PSI    | SIDE       | GOLD       |
| G20-1500     | 0-1500 PSI   | SIDE       | GOLD       |
| G20-3000     | 0-3000 PSI   | SIDE       | GOLD       |
| G20-4000     | 0-4000 PSI   | SIDE       | GOLD       |
| G20-6000     | 0-6000 PSI   | SIDE       | GOLD       |

Replacement Plastic Lens

| Model Number | Description       |
|--------------|-------------------|
| GX15         | 1-1/2" SNAP-ON    |
| GX20         | 2" TWIST-LOCK     |
| GX25         | 2-1/2" TWIST-LOCK |



G15-4000



G20B-200



G20B-F4000



G25B-4000



G25B-F4000

2" Brass Case, Dual Scale  
1/4" NPT Inlet

| Model Number | Scale Ranges | Entry Type |
|--------------|--------------|------------|
| G20B-030RL   | 0-30 PSI RED | SIDE       |
| G20B-100     | 0-100 PSI    | SIDE       |
| G20B-200     | 0-200 PSI    | SIDE       |
| G20B-400     | 0-400 PSI    | SIDE       |
| G20B-600     | 0-600 PSI    | SIDE       |
| G20B-3000    | 0-3000 PSI   | SIDE       |
| G20B-4000    | 0-4000 PSI   | SIDE       |

2" Brass Case, Single Scale  
1/4" NPT Inlet

| Model Number | Scale Ranges | Entry Type |
|--------------|--------------|------------|
| G20B-F030R   | 0-30 PSI RED | SIDE       |
| G20B-F100    | 0-100 PSI    | SIDE       |
| GR20B-F100   |              | REAR       |
| G20B-F200    | 0-200 PSI    | SIDE       |
| GR20B-F200   |              | REAR       |
| G20B-F400    | 0-400 PSI    | SIDE       |
| GR20B-F400   |              | REAR       |
| GR20B-F600   | 0-600 PSI    | REAR       |
| G20B-F4000   | 0-4000 PSI   | SIDE       |

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

| Model Number | Scale Ranges | Entry Type |
|--------------|--------------|------------|
| G25B-030RL   | 0-30 PSI RED | SIDE       |
| G25B-60      | 0-60 PSI     | SIDE       |
| G25B-100     | 0-100 PSI    | SIDE       |
| G25B-200     | 0-200 PSI    | SIDE       |
| G25B-400     | 0-400 PSI    | SIDE       |
| G25B-600     | 0-600 PSI    | SIDE       |
| G25B-3000    | 0-3000 PSI   | SIDE       |
| G25B-4000    | 0-4000 PSI   | SIDE       |
| G25B-6000    | 0-6000 PSI   | SIDE       |

2-1/2" Brass Case, Single  
Scale 1/4" NPT Inlet

| Model Number | Scale Ranges | Entry Type |
|--------------|--------------|------------|
| G25B-F030R   | 0-30 PSI RED | SIDE       |
| G25B-F100    | 0-100 PSI    | SIDE       |
| G25B-F200    | 0-200 PSI    | SIDE       |
| G25B-F400    | 0-400 PSI    | SIDE       |
| G25B-F600    | 0-600 PSI    | SIDE       |
| G25B-F4000   | 0-4000 PSI   | SIDE       |

Industrial Gas Apparatus

REGULATOR ACCESSORIES

Gauge Protectors



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    | GREEN | 210X-80        | 210X-80G                     |
| GP20Y        | ACETYLENE | RED   | 210Y-15        | 210Y-15G                     |
| GP21X        | OXYGEN    | GREEN | 152X-80        | 152X-80G                     |
|              |           |       | 152TX-80       | 152TX-80G                    |
|              |           |       | 752X-80        | 752X-80G                     |
| GP21Y        | ACETYLENE | RED   | 152Y-15        | 152Y-15G                     |
|              |           |       | 152Y-15-3      | 152Y-15-3G                   |
|              |           |       | 152Y-15-5      | 152Y-15-5G                   |
|              |           |       | 152TY-15       | 152TY-15G                    |
|              |           |       | 152TY-15-3     | 152TY-15-3G                  |
|              |           |       | 752Y-15        | 752Y-15G                     |
|              |           |       | 153X-125       | 153X-125G                    |
| GP31X        | OXYGEN    | GREEN | 153TX-125      | 153TX-125G                   |
| GP31Y        | ACETYLENE | RED   | 153Y-15        | 153Y-15G                     |
|              |           |       | 153Y-15-3      | 153Y-15-3G                   |
|              |           |       | 153TY-15       | 153TY-15G                    |
|              |           |       | 153TY-15-3     | 153TY-15-3G                  |

\*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

Inlets, Nuts & Nipples

Industrial Gas Apparatus

GENTEC® Regulator Inlets, Outlets, and Accessories are accurately machined, with high quality brass, to meet CGA specifications. All inlet stems have a 45 micron sintered bronze filter installed and are interchangeable with all manufacturers’ regulators that have 1/4” NPT port sizes. Remove “SF” from model number for ordering inlet stems without filter. For CGA 200, use filter model number R210-56 and for all other CGA connections, use R110-56.

| CGA200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CGA300                                                                                                                                                                                                                                                                                                                                           | CGA320                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>FOR “MC“ TANK ACETYLENE<br/>UP TO 500PSI</div> <div><br/>NUT<br/>RNT305-2</div> <div><br/>1-1/4”<br/>NIPPLE W/FILTER<br/>RNP305-3ASF</div> <div>1/8”<br/>NPT</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <div>FOR COMMERCIAL ACETYLENE<br/>UP TO 500PSI</div> <div><br/>NUT<br/>RNT16-2</div> <div><br/>3”<br/>NIPPLE W/FILTER<br/>RNP16-8SF</div> <div>1/4”<br/>NPT</div>              | <div>FOR CARBON DIOXIDE<br/>UP TO 3000PSI</div> <div><br/>NUT<br/>RNTCO2</div> <div><br/>WASHER<br/>RNP05 (FIBER)<br/>RNP06N (NYLON)</div> <div><br/>2”<br/>NIPPLE W/FILTER<br/>RNP03-SF</div> <div>1/4”<br/>NPT</div>    |
| CGA346                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CGA347                                                                                                                                                                                                                                                                                                                                           | CGA350                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <div>FOR AIR<br/>UP TO 3000PSI</div> <div><br/>NUT<br/>RNT14-2</div> <div><br/>3”<br/>NIPPLE W/FILTER<br/>RNP14-3SF</div> <div>1/4”<br/>NPT</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <div>FOR “AIR/HIGH PRESSURE<br/>UP TO 5500PSI</div> <div><br/>NUT<br/>RNT347-2</div> <div><br/>3”<br/>NIPPLE W/FILTER<br/>RNP347-3SF</div> <div>1/4”<br/>NPT</div>             | <div>FOR “HYDROGEN/NATURAL GAS<br/>UP TO 3000PSI</div> <div><br/>NUT<br/>RNT82</div> <div><br/>2-1/2”<br/>NIPPLE W/FILTER<br/>RNP83SF</div> <div>1/4”<br/>NPT</div>                                                                                                                                          |
| CGA510                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CGA520                                                                                                                                                                                                                                                                                                                                           | CGA540                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <div>FOR POL ACETYLENE &amp; PROPANE<br/>UP TO 500PSI</div> <div><br/>NUT<br/>RNT15-2</div> <div><br/>3”<br/>NIPPLE W/FILTER<br/>RNP15-3SF</div> <div>1/4”<br/>NPT</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <div>FOR “B“ TANK ACETYLENE<br/>UP TO 500PSI</div> <div><br/>NUT<br/>RNT300-2</div> <div><br/>1-3/4”<br/>NIPPLE W/FILTER<br/>RNP300-3SF</div> <div>1/4”<br/>NPT</div>      | <div>FOR OXYGEN<br/>UP TO 3000PSI</div> <div><br/>HAND TIGHT NUT<br/>24-0662P</div> <div><br/>NUT<br/>RNT62</div> <div><br/>NIPPLE W/FILTER<br/>RNP66-SF(2-1/2”)<br/>RNP61-SF(1-5/8”)</div> <div>1/4”<br/>NPT</div> |
| CGA580                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CGA590                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <div>FOR INERT GAS, ARGON, HELIUM &amp; NITROGEN<br/>UP TO 3000PSI</div> <div><br/>NUT<br/>RNT92</div> <div><br/>WRENCH &amp; HAND<br/>TIGHT NUT<br/>RNT92-HT</div> <div><br/>HAND TIGHT NUT<br/>24-0692P</div> <div>1/4”<br/>NPT</div> <div><br/>NIPPLE W/FILTER<br/>RNP15-3SF (3”)<br/>RNP15-23SF (2-1/8”) </div> <div><br/>NIPPLE W/FILTER &amp; O-RING<br/>RNP615-3SF (3-1/2”)<br/>RNP615-25SF (2-3/8”) </div> <div><br/>O-RING<br/>RNPOR-11</div> <div>1/4”<br/>NPT</div> | <div>FOR INDUSTRIAL AIR<br/>UP TO 3000PSI</div> <div><br/>NUT<br/>RNT93</div> <div><br/>3”<br/>NIPPLE W/FILTER<br/>RNP15-3SF</div> <div>1/4”<br/>NPT</div>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CGA680                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <div>FOR INERT GAS/HIGH PRESSURE<br/>UP TO 5500PSI</div> <div><br/>NUT<br/>RNT680-2</div> <div><br/>3”<br/>NIPPLE W/FILTER<br/>RNP680-3SF</div> <div>1/4”<br/>NPT</div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

REGULATOR ACCESSORIES

CGA Adapters

Industrial Gas Apparatus

|                                                                                                                                                                                                    |                                                                                                                                                                                                    |                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACETYLENE TO ACETYLENE<br><br>24-0015<br>Cylinder cga 510 “POL”<br>Regulator cga 300 “comm”<br>reference No: 15 | ACETYLENE TO ACETYLENE<br><br>24-0016<br>Cylinder cga 300 “comm”<br>Regulator cga 510 “pol”<br>reference No: 16 | ACETYLENE TO ACETYLENE<br><br>24-0051<br>Cylinder cga 510 “POL”<br>Regulator cga 300 “comm”<br>reference No: 51     |
| ACETYLENE TO ACETYLENE<br><br>24-0061<br>Cylinder cga 300 “comm”<br>Regulator cga 510 “POL”<br>reference No: 61 | ACETYLENE TO ACETYLENE<br><br>24-0306<br>Cylinder cga 520 “b”<br>Regulator cga 200 “mc”<br>reference No: 306    | ACETYLENE TO ACETYLENE<br><br>24-0314<br>Cylinder cga 200 “mc”<br>Regulator cga 520 “B”<br>reference No: 314        |
| ACETYLENE TO ACETYLENE<br><br>24-0315<br>Cylinder cga 510 “POL”<br>Regulator cga 520 “b”<br>reference No: 315   | ACETYLENE TO ACETYLENE<br><br>24-0317<br>Cylinder cga 520 “B”<br>Regulator cga 510 “pol”<br>reference No: 317   | ACETYLENE TO ACETYLENE<br><br>24-0318<br>Cylinder cga 520 “b”<br>Regulator cga 510 “pol”<br>reference 318           |
| ACETYLENE TO ACETYLENE<br><br>24-0319<br>Cylinder cga 520 “B”<br>Regulator cga 300 “comm”<br>reference No: 319 | ACETYLENE TO ACETYLENE<br><br>24-0321<br>Cylinder cga 200 “mc”<br>Regulator cga 510 “pol”<br>reference No: 321 | INERT GAS TO OXYGEN<br><br>24-0415<br>Cylinder cga 580<br>Regulator cga 540<br>reference No: 415                   |
| CO <sub>2</sub> TO INERT GAS<br><br>24-0806<br>Cylinder cga 320<br>Regulator cga 580<br>reference No: 806     | INERT GAS TO CO <sub>2</sub><br><br>24-0810<br>Cylinder cga 580<br>Regulator cga 320<br>reference No: 810     | ACETYLENE TO ACETYLENE<br><br>24-1690<br>Cylinder cga 300 “comm”<br>Regulator cga 510 “POL”<br>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      |

REGULATOR ACCESSORIES

Outlets & Check Valves, Shut-Off Valve, Y Connection & Inert Arc Fittings

Industrial Gas Apparatus

| CGA REGULATOR OUTLET BUSHING                                                                                      |                                                                                                                   |                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Oxygen "B" Size                                                                                                   | Acetylene "B" Size                                                                                                | Inert Gas                                                                                                                            |
| 9/16"-18 RH x 1/4" NPT<br> ROB32 | 9/16"-18 LH x 1/4" NPT<br> ROB33 | 5/8" - 18 RH x 1/4" NPT (0.032 ORIFICE)<br> ROB34 |
| Oxygen "A" Size                                                                                                   | Acetylene "A" Size                                                                                                | S.A.E. Flared                                                                                                                        |
| 3/8"-24 RH x 1/4" NPT<br> ROB134 | 3/8"-24 LH x 1/4" NPT<br> ROB135 | 1/4" - 45° FLARE x 1/4" NPT<br> ROB48F            |
| Barbed 3/16"                                                                                                      | Barbed 3/8"                                                                                                       | Push-In Tube                                                                                                                         |
| 3/16" BARB x 1/4" NPT<br> ROB316 | 3/8" BARB x 1/4" NPT<br> R231-12 | 5/32" x 1/4" NPT<br> ROB532                       |

| REGULATOR CHECK VALVES                                                                                                                                                                                                |                                                                                                                                                                                                                       | ADJUSTING SCREWS                                                                                           |                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Regulator Bushing Check Valve                                                                                                                                                                                         | Regulator Bushing Adapter Check Valve                                                                                                                                                                                 | Locking Adjusting Screws                                                                                   |                                                                                                            |
| PAIR 24-CV8PR<br> OXYGEN 24-CV8RO<br> Fuel 24-CV8rf | PAIR 24-CV9PR<br> OXYGEN 24-CV9RO<br> Fuel 24-CV9RF |  For 190 Series R195-03 |  For 452 Series R230-03 |

| BRASS SHUT-OFF VALVES                                                                                                                    |                                                                                                                                      |                                                                                                                                      |                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Oxygen                                                                                                                                   | Oxygen                                                                                                                               | Acetylene / Propane                                                                                                                  | Inert Gas                                                                                                                                |
| INLET 9/16"-18(RH)<br>OUTLET 9/16"-18(RH)<br> 24-0203 | INLET 1/4" NPT<br>OUTLET 9/16"-18(RH)<br> 24-0205 | INLET 1/4" NPT<br>OUTLET 9/16"-18(LH)<br> 24-0206 | INLET 1/4" NPT<br>OUTLET 5/8"-18(RH)<br> 24-0215-AR |

| TEE COUPLERS                                                                                |                                                                                             | INERT ARC FITTINGS                                                                                           |                                                                                                              |                                                                                                                          |                                                                                                                |                                                                                                                |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Oxygen (CGA 540)                                                                            | Inert Gas (CGA 580)                                                                         | Nut                                                                                                          | Nipple                                                                                                       | Adapter                                                                                                                  | Hose Coupler RH                                                                                                | Hose Coupler LH                                                                                                |
|  24-T-62 |  24-T-92 | 5/8"-18(RH)<br> 24-AW-14A | 1/4" ID HOSE<br> 24-AW-17 | 5/8"-18(RH) x 1/4" NPT<br> 24-AW-15A | 5/8"-18(RH)<br> 24-AW-430 | 5/8"-18(LH)<br> 24-AW-431 |

| Y CONNECTION / VALVES                                                                                                                    |                                                                                                                                          |                                                                                                                                          |                                                                                                                                           |                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Oxygen                                                                                                                                   | Acetylene                                                                                                                                | Oxygen / Valves                                                                                                                          | Acetylene / Valves                                                                                                                        | Inert Gas / Valves                                                                                                                       |
| INLET 9/16"-18(RH)<br>OUTLET 9/16"-18(RH)<br> 24-0101 | INLET 9/16"-18(LH)<br>OUTLET 9/16"-18(LH)<br> 24-0102 | INLET 9/16"-18(RH)<br>OUTLET 9/16"-18(RH)<br> 24-0111 | INLET 9/16"-18(LH)<br>OUTLET 9/16"-18(LH)<br> 24-0112 | INLET 5/8"-18(RH)<br>OUTLET 5/8"-18(RH)<br> 24-0411 |

Industrial Gas Apparatus

HOSE REPAIR KITS & CRIMPING TOOLS



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 FOR 3/16" AND 1/4" ID HOSES - 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 FOR 3/16" AND 1/4" ID HOSES - 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 "B" TYPE FITTING FOR 1/4" ID HOSE - 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       |

Kit Box (empty), CK-0, is available.

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   |

**Hose Fittings, Ferrules & Braces** are manufactured with high quality brass and accurately machined to meet CGA specifications. Ferrules and braces are stamped from brass. The part number is stamped on each ferrule and brace for easy identification.

Brass Hose Nuts, Nipples, Couplers & Splicers, Pressure Up To 200 PSI

| "A" Size Nuts                                                                                                                                                                                                                               | "A" Size Nipple                                                                                                                                                                                                                       | "A" Size Couplers                                                                                                                                                                                                                              | Hose Splicers                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3/8"-24 UNF-28<br><br>OXYGEN, RH<br>24-0009<br><br>FUEL, LH<br>24-0010    | <br>3/16" I.D. Hose<br>24-0019                                                                                                                       | 3/8"-24 UNF-28<br><br>OXYGEN, RH<br>24-0130<br><br>FUEL, LH<br>24-0131       | <br>3/16" I.D. HOSE - 3/16" I.D. HOSE<br>24-0045<br><br>1/4" I.D. HOSE - 1/4" I.D. HOSE<br>24-0044 |
| "B" Size Nuts                                                                                                                                                                                                                               | "B" Size Nipples                                                                                                                                                                                                                      | "B" Size Couplers                                                                                                                                                                                                                              | "B" To "A" Hose Adapters                                                                                                                                                                                                                                                 |
| 9/16"-18 UNF-28<br><br>OXYGEN, RH<br>24-0007<br><br>FUEL, LH<br>24-0008 | <br>3/16"- I.D. HOSE<br>24-0018<br><br>1/4"- I.D. HOSE<br>24-0017 | 9/16"-18 RH UNF-2B<br><br>OXYGEN, RH<br>24-0030<br><br>FUEL, LH<br>24-0031 | <br>B Size (M) - A Size (F) RH<br>24-0105<br><br>B Size (M) - A Size (F) LH<br>24-0106           |

Hose Ferrules



| Model Number | Ferrule I.D. | Ferrule Length |
|--------------|--------------|----------------|
| 24-0769      | .450"        | 9/16"          |
| 24-3588      | .564"        | 3/4"           |
| 24-4750      | .478"        | 11/16"         |
| 24-7322      | .500"        | 1"             |
| 24-7323      | .525"        | 1"             |
| 24-7325      | .562"        | 1"             |

| Model Number | Ferrule I.D. | Ferrule Length |
|--------------|--------------|----------------|
| 24-7326      | .593"        | 1"             |
| 24-7327      | .625"        | 1"             |
| 24-7328      | .656"        | 1"             |
| 24-7329      | .687"        | 1"             |
| 24-7330      | .718"        | 1"             |

Hose Braces



| Order Number | Description          |
|--------------|----------------------|
| 24-9116      | FOR 3/16" TWIN HOSES |
| 24-9940P     | FOR 1/4" TWIN HOSES  |

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.



25-120



25-121



25-122



25-130

| 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.



27-1013



27-1013L



27-0005

| 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                 |

Welding Goggles & Cup Goggles



Strikers



WELDING ACCESSORIES

Welding Hoses, Cylinders and Tanks

Industrial Gas Apparatus

Welding Hoses

| Model Number | Hose I.D. | Hose Length | Grade | Connection   |
|--------------|-----------|-------------|-------|--------------|
| HA14-006IN   | 1/4"      | 6'          | -     | 5/8"-18RH(M) |
| HW23-012A    | 3/16"     | 12'         | R     | 3/8"-24(F)   |
| HW23-T012A   | 3/16"     | 12'         | T     | 3/8"-24(F)   |
| HW23-012     | 3/16"     | 12'         | R     | 9/16"-18(F)  |
| HW23-T015    | 3/16"     | 15'         | T     | 9/16"-18(F)  |
| HW23-T020    | 3/16"     | 20'         | T     | 9/16"-18(F)  |
| HW24-T020    | 1/4"      | 20'         | T     | 9/16"-18(F)  |
| HW24-T025    | 1/4"      | 25'         | T     | 9/16"-18(F)  |
| HW24-050     | 1/4"      | 50'         | R     | 9/16"-18(F)  |



HA14-006IN



HW23-T020

Cylinders and Tanks



CY20-540  
"R" Oxygen



CY40-540  
"TYPE 40" Oxygen



CY20-580  
Nitrogen



CY40-580  
Nitrogen



CY40-B  
"B" Acetylene



CY10-MC  
"MC" Acetylene

| Model Number | Gas Service | Capacity (CU. FT.) | CGA Connection | Type |
|--------------|-------------|--------------------|----------------|------|
| CY40-B       | ACETYLENE   | 40                 | CGA520         | B    |
| CY10-MC      |             | 10                 | CGA200         | MC   |
| CY20-540     | OXYGEN      | 20                 | CGA540         | R    |
| CY40-540     |             | 40                 | CGA540         |      |
| CY20-580     | NITROGEN    | 20                 | CGA580         |      |
| CY40-580     |             | 40                 | CGA580         |      |

TECHNICAL DATA

Welding, Heating & Brazing Nozzles

Welding Nozzles

| 171W, 172W, 173W, 173WRTE |                 |            |               |                  |                  |
|---------------------------|-----------------|------------|---------------|------------------|------------------|
| Tip Size                  | Metal Thickness | Drill Size | Oxygen (PSIG) | Acetylene (PSIG) | 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            |

Mini-Style Oxy-Acetylene Brazing Tips

| Model Number | Oxygen (PSIG) | Acetylene (PSIG) | 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                     |

Oxy-Acetylene Brazing Tips

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

Heating Nozzle Data

| Model Number          | Tip Size | Oxygen (PSIG) | Acetylene/Fuel (PSIG) | 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                |
| 171HN / 172HN / 173HN | 15       | 50/60         | 12/15                 | 99/244        | 90/220                |
|                       | 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                |
| 175HN                 | 20       | 40/135        | 15/25                 | 300/1000      | 75/250                |
|                       | 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               |

\*173H-12 and 173H-15 are also used for propylene based fuel gases and MAPP®

TECHNICAL DATA

Cutting Tips 172 & 173 Series

Industrial Gas Apparatus

172C & 173C Oxy-Acetylene Cutting Tips

| Tip Size | Metal Thickness | Cutting Speed (IN/MIN) | Cutting Oxygen (PSIG) | Cutting Oxygen (SCFH) | Pre-Heat Oxygen (PSIG*) | Pre-Heat Oxygen (SCFH) | Acetylene (PSIG) | Acetylene (SCFH) |
|----------|-----------------|------------------------|-----------------------|-----------------------|-------------------------|------------------------|------------------|------------------|
| 000      | 1/8"            | 28/30                  | 20/25                 | 20/25                 | 3/5                     | 3/5                    | 3/5              | 3/5              |
| 00       | 1/4"            | 27/30                  | 20/25                 | 30/35                 | 3/5                     | 4/6                    | 3/5              | 4/6              |
| 0        | 3/8"            | 24/28                  | 25/30                 | 55/60                 | 3/5                     | 5/9                    | 3/5              | 5/8              |
| 0        | 1/2"            | 20/24                  | 30/35                 | 60/65                 | 3/6                     | 7/11                   | 3/5              | 6/10             |
| 1        | 3/4"            | 17/21                  | 30/35                 | 80/85                 | 4/7                     | 9/14                   | 3/5              | 8/10             |
| 2        | 1"              | 15/19                  | 35/40                 | 140/150               | 4/9                     | 11/18                  | 3/6              | 10/16            |
| 2        | 1-1/2"          | 13/17                  | 40/45                 | 150/160               | 4/12                    | 13/20                  | 3/7              | 12/18            |
| 3        | 2"              | 12/15                  | 40/45                 | 210/225               | 5/14                    | 15/24                  | 4/9              | 14/22            |
| 3        | 2-1/2"          | 10/13                  | 45/50                 | 225/240               | 5/16                    | 18/29                  | 4/10             | 16/26            |
| 4        | 3"              | 9/12                   | 45/50                 | 270/320               | 6/17                    | 20/33                  | 5/10             | 18/30            |
| 5        | 4"              | 8/11                   | 45/55                 | 390/450               | 7/18                    | 24/37                  | 5/12             | 22/34            |
| 5        | 5"              | 7/9                    | 50/55                 | 425/450               | 7/20                    | 29/41                  | 5/13             | 26/38            |
| 6        | 6"              | 6/8                    | 45/55                 | 500/600               | 10/22                   | 33/48                  | 7/13             | 30/44            |
| 6        | 8"              | 5/6                    | 45/55                 | 500/600               | 10/25                   | 37/55                  | 7/14             | 34/50            |
| 7        | 10"             | 4/5                    | 45/55                 | 700/850               | 15/30                   | 44/62                  | 10/15            | 40/56            |
| 8        | 12"             | 3/5                    | 45/55                 | 900/1000              | 20/35                   | 53/88                  | 10/15            | 48/62            |

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

| Tip Size | Metal Thickness | Cutting Speed (IN/MIN) | Cutting Oxygen (PSIG) | Cutting Oxygen (SCFH) | Pre-Heat Oxygen (PSIG*) | Pre-Heat Oxygen (SCFH) | Fuel Gas (PSIG) | Fuel Gas (SCFH) |
|----------|-----------------|------------------------|-----------------------|-----------------------|-------------------------|------------------------|-----------------|-----------------|
| 000      | 1/8"            | 24/28                  | 20/25                 | 12/14                 | 20/25                   | 23/108                 | 3/5             | 5/6             |
| 00       | 1/4"            | 21/25                  | 20/25                 | 22/26                 | 20/25                   | 23/108                 | 3/5             | 5/7             |
| 0        | 3/8"            | 20/24                  | 25/30                 | 45/55                 | 20/25                   | 23/108                 | 3/5             | 8/10            |
| 0        | 1/2"            | 18/22                  | 30/35                 | 50/55                 | 20/25                   | 23/108                 | 3/5             | 8/10            |
| 1        | 3/4"            | 15/20                  | 30/35                 | 70/80                 | 20/25                   | 23/108                 | 4/6             | 10/12           |
| 2        | 1"              | 14/18                  | 35/40                 | 115/125               | 20/25                   | 23/108                 | 4/8             | 12/15           |
| 2        | 1-1/2"          | 12/16                  | 40/45                 | 125/135               | 20/25                   | 23/108                 | 5/9             | 12/15           |
| 3        | 2"              | 10/14                  | 40/50                 | 105/175               | 20/25                   | 23/108                 | 5/9             | 14/18           |
| 3        | 2-1/2"          | 9/12                   | 45/50                 | 175/200               | 20/25                   | 23/108                 | 6/10            | 14/18           |
| 4        | 3"              | 8/11                   | 45/50                 | 210/250               | 20/25                   | 23/108                 | 8/12            | 16/20           |
| 5        | 4"              | 7/10                   | 54/55                 | 300/360               | 20/25                   | 23/108                 | 8/12            | 20/30           |
| 5        | 5"              | 6/9                    | 50/55                 | 300/360               | 20/25                   | 23/108                 | 8/12            | 20/30           |
| 6        | 6"              | 5/7                    | 45/55                 | 400/500               | 20/25                   | 38/153                 | 10/15           | 25/35           |
| 6        | 8"              | 4/6                    | 55/65                 | 450/500               | 20/25                   | 38/153                 | 10/15           | 25/35           |

\*Only applicable for three-hose machine torches

TECHNICAL DATA

The Small Torch & The Compact Torch Tips

Industrial Gas Apparatus

The Small Torch Tip

| 10STP<br>OXY-FUEL TIPS |                                             |               |                 |
|------------------------|---------------------------------------------|---------------|-----------------|
| Tip Size               | Gas Service                                 | Oxygen (PSIG) | Fuel Gas (PSIG) |
| 2                      | ACETYLENE                                   | 2             | 2               |
| 3                      | ACETYLENE<br>PROPANE<br>MAPP °<br>PROPYLENE | 3             | 3               |
| 4                      |                                             | 4             | 4               |
| 5                      |                                             | 6             | 6               |
| 6                      |                                             | 6             | 6               |
| 7                      |                                             | 8             | 8               |

| OXY-FUEL TWIN TIPS |               |                 |
|--------------------|---------------|-----------------|
| Model Number       | Oxygen (PSIG) | Fuel Gas (PSIG) |
| 10STP-3C           | 4             | 4               |
| 10STP-4C           | 4             | 4               |
| 10STP-5C           | 6             | 6               |

| OXY-FUEL HEATING TIPS |               |                 |
|-----------------------|---------------|-----------------|
| Model Number          | Oxygen (PSIG) | Fuel Gas (PSIG) |
| 10STP-HF6             | 14            | 10              |
| 10STP-HY6             | 14            | 10              |

The Compact Torch Tips

| 10CMP<br>OXY-FUEL TIPS |                                |               |                 |
|------------------------|--------------------------------|---------------|-----------------|
| Tip Size               | Gas Service                    | Oxygen (PSiG) | Fuel Gas (PSiG) |
| 2                      | ACETYLENE                      | 25            | 4               |
| 3                      | ACETYLENE<br>PROPANE<br>MAPP ° | 25            | 4               |
| 4                      |                                | 28            | 4.5             |
| 5                      |                                | 28            | 4.5             |
| 6                      |                                | 30            | 5               |
| 7                      |                                | 30            | 6               |

| OXY-ACETYLENE TWIN TIP & HEATING TIPS |               |                 |                 |                             |
|---------------------------------------|---------------|-----------------|-----------------|-----------------------------|
| Model Number                          | Oxygen (PSIG) | Fuel Gas (PSIG) | Fuel Gas (SCFH) | Brazing Capacity For Copper |
| 10CMP-GMTT                            | 5             | 5               | 4/6             | 1"                          |
| 10CMP-GMTR                            | 5             | 5               | 4//8            | 1-1/2"                      |



INDEX & COMPARISON CHART

Welding & Cutting Apparatus Chart

Industrial Gas Apparatus

| EQUIVALENT CODE KEY (C) CONCOA/AIRCO®; (CS) CUTSKILL®; (FP) FIREPOWER®; (H) HARRIS®; (K) Koike; (P) PUROX/ESAB®<br>(S) Superior; (SM) Smith Equipment®; (U) UNIWELD®; (V) VICTOR® ; (W) Western Enterprise® |    |                                                                                                   |                |    |                                                     |               |    |                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------------------------------------------------------------------------------------|----------------|----|-----------------------------------------------------|---------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Number                                                                                                                                                                                                | PP | Equivalent Number                                                                                 | Model Number   | PP | Equivalent Number                                   | Model Number  | PP | Equivalent Number                                                                                                                                                                 |
| 171H                                                                                                                                                                                                        | 14 | (U) TYPE28<br>(V) MFA-J                                                                           | 190CD-45       | 54 | (CS) CF153-320<br>(FP) CF153-320-FB                 | 191CD-60      | 57 | (CS) HRF1480-320<br>(FP) HRF1480-320-FB                                                                                                                                           |
| 171HN                                                                                                                                                                                                       | 14 | (V) MFN-J                                                                                         |                |    | (H) 301-CD60-320                                    |               |    | (H) 355-2-CD-320                                                                                                                                                                  |
| 171W                                                                                                                                                                                                        | 13 | (U) Type 17<br>(V) W-J                                                                            |                |    | (SM) H1958B-320                                     |               |    | (U) FR1413                                                                                                                                                                        |
| 171W-0                                                                                                                                                                                                      | 24 |                                                                                                   |                |    | (U) CEF13                                           |               |    | (V) HRF2480-320                                                                                                                                                                   |
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| KSTP16TC-H12SP                                                                                                                                                                                              | 18 |                                 | RB205-1V     | 66 | (W) RPB-5-1V      | RNT15-2      | 70 | (S) N69           |
| QC-HHF                                                                                                                                                                                                      | 11 | (K) ZASP-2                      | RB205-1X     | 66 | (W) RPB-5-1X      |              |    | (W) 15-2          |
|                                                                                                                                                                                                             |    | (W) QDB21                       | RB205-2V     | 66 | (W) RPB-5-2V      | RNT16-2      | 70 | (S) N56           |
| QC-HHF-F                                                                                                                                                                                                    | 11 | (K) AS-2                        | RB232        | 66 |                   |              |    | (W) 16-2          |
|                                                                                                                                                                                                             |    | (W) QDB201                      | RB234        | 66 |                   | RNT300-2     | 70 | (S) N70           |
| QC-HHF-M                                                                                                                                                                                                    | 11 | (K) ZAP-2                       | RB236        | 66 | (W) TH1           |              |    | (W) 300-2         |
|                                                                                                                                                                                                             |    | (W) QDB205                      | RB237        | 66 | (W) BRC           | RNT305-2     | 70 | (S) N57           |
| QC-HHPR                                                                                                                                                                                                     | 11 | (K) WZA                         | RNP14-3      | 70 | (S) NP753         |              |    | (W) 305-2         |
|                                                                                                                                                                                                             |    | (W) QDB20                       |              |    | (W) 14-3          | RNT347-2     | 70 | (W) 347-2         |
| QC-HHX                                                                                                                                                                                                      | 11 | (K) ZASP-1                      | RNP14-3SF    | 70 | (S) NP753R        | RNT62        | 70 | (S) N71           |
|                                                                                                                                                                                                             |    | (W) QDB22                       |              |    | (W) 14-3SF        |              |    | (W) 62            |
| QC-HHX-F                                                                                                                                                                                                    | 11 | (K) AS-1                        | RNP15-23SF   | 70 |                   | RNT680-2     | 70 | (S) N680          |
|                                                                                                                                                                                                             |    | (W) QDB101                      | RNP15-3      | 70 | (S) NP189         |              |    | (W) 680-2         |
| QC-HHX-M                                                                                                                                                                                                    | 11 | (K) ZAP-1                       |              |    | (W) 15-3          | RNT82        | 70 | (W) 82            |
|                                                                                                                                                                                                             |    | (W) QDB105                      | RNP15-3SF    | 70 | (S) NP189R        | RNT92        | 70 | (S) N73           |
| QC-HTF                                                                                                                                                                                                      | 11 | (K) ZOSP-2                      |              |    | (W) 15-3SF        |              |    | (W) 92            |
|                                                                                                                                                                                                             |    | (V) KCF                         | RNP16-8      | 70 | (S) NP128         | RNT92-HT     | 70 | (S) N73P          |
|                                                                                                                                                                                                             |    | (W) QDB11                       |              |    | (W) 16-8          |              |    | (W) 692           |
| QC-HTF-F                                                                                                                                                                                                    | 11 | (K) AS-2                        | RNP16-8SF    | 70 | (S) NP128R        | RNT93        | 70 | (S) N74           |
|                                                                                                                                                                                                             |    | (W) QDB201                      |              |    | (W) 16-8SF        |              |    | (W) 93            |
| QC-HTF-M                                                                                                                                                                                                    | 11 | (K) ZOP-2                       | RNP300-3     | 70 | (S) NP435         | RNTCO2       | 70 | (S) N61           |
|                                                                                                                                                                                                             |    | (W) QDB200                      |              |    | (W) 300-3         |              |    | (W) CO2           |
| QC-HTPR                                                                                                                                                                                                     | 11 | (FP) FPKC                       | RNP300-3SF   | 70 | (S) NP435R        | ROB134       | 72 | (S) B26           |
|                                                                                                                                                                                                             |    | (H) 26-QCT                      |              |    | (W) 300-3SF       |              |    | (W) 134           |
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|                                                                                                                                                                                                             |    | (V) KC-1                        |              |    | (W) 305-3A        |              |    | (W) 135           |
|                                                                                                                                                                                                             |    | (W) QDB10                       | RNP305-3ASF  | 70 | (S) NP414R        | ROB316       | 72 | (S) A112          |
| QC-HTX                                                                                                                                                                                                      | 11 | (K) ZOSP-1                      |              |    | (W) 305-3ASF      |              |    | (W) 540           |
|                                                                                                                                                                                                             |    | (V) KCO                         | RNP347-3     | 70 | (S) NP765         | ROB32        | 72 | (S) B28           |
|                                                                                                                                                                                                             |    | (W) QDB12                       |              |    | (W) 347-3         |              |    | (W) 32            |
| QC-HTX-F                                                                                                                                                                                                    | 11 | (K) AS-1                        | RNP347-3SF   | 70 | (S) NP765R        | ROB33        | 72 | (S) B29           |
|                                                                                                                                                                                                             |    | (W) QDB101                      |              |    | (W) 347-3SF       |              |    | (W) 33            |
| QC-HTX-M                                                                                                                                                                                                    | 11 | (K) ZOP-1                       | RNP615-25SF  | 70 |                   | ROB34        | 72 |                   |
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## Welding & Cutting Apparatus Chart

## Industrial Gas Apparatus

| EQUIVALENT CODE KEY (C) CONCOA/AIRCO®; (CS) CUTSKILL®; (FP) FIREPOWER®; (H) HARRIS®; (K) Koike; (P) PUROX/ESAB®<br>(S) Superior; (SM) Smith Equipment®; (U) UNIWELD®; (V) VICTOR® ; (W) Western Enterprise® |    |                            |              |    |                   |              |    |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------|--------------|----|-------------------|--------------|----|-------------------|
| Model Number                                                                                                                                                                                                | PP | Equivalent Number          | Model Number | PP | Equivalent Number | Model Number | PP | Equivalent Number |
| ROB48F                                                                                                                                                                                                      | 72 | (S) FA1652                 |              |    |                   |              |    |                   |
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| RP-2HP                                                                                                                                                                                                      | 66 | (W) P-2HP                  |              |    |                   |              |    |                   |
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### Cross Reference Chart

## Industrial Gas Apparatus

## Cross Reference Chart

| Model Number          | GENTEC Number | PP | Model Number    | GENTEC Number  | PP | Model Number       | GENTEC Number | PP |
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| VICTOR® to GENTEC®    |               |    | (V) SR250C-540  | 152X-80        | 30 | (V) SR7-40-510     | 190F-80       | 28 |
| (V) Journeyman Select | 13-OSA        | 5  | (V) SR250D-346  | 152Q-125       | 30 | (V) SST900C        | 162S-17       | 10 |
| (V) Journeyman Select | 13-OSAFA      | 5  | (V) SR250D-580  | 152IN-125      | 30 | (V) SST900FC       | 162S-17-FA    | 10 |
| (V) Journeyman Select | 13-OSFA       | 5  | (V) SR260A-300  | 152Y-15-3      | 30 | (V) ST1600C        | 163L-21       | 10 |
|                       |               |    | (V) SR260A-510  | 152Y-15        | 30 | (V) ST2600FC       | 163L-21-FA    | 10 |
|                       |               |    | (V) SR260A-520  | 152Y-15-5      | 30 | (V) Super Range    | 1120          | 1  |
|                       |               |    | (V) SR261C-510  | 152F-80        | 30 | (V) Super Range    | 1120FA        | 1  |
|                       |               |    | (V) SR311-320   | 199CD-60       | 61 | (V) Super Range II | 1221          | 2  |
| (V) KC-1              | QC-HTPR       | 11 | (V) SR350D-540  | 853X-125       | 33 | (V) Super Range II | 1221FA        | 2  |
| (V) KCF               | QC-HTF        | 11 | (V) SR360A-300  | 853Y-15-3      | 33 | (V) Type 55        | 175HN         | 15 |
| (V) KCO               | QC-HTX        | 11 | (V) SR360A-510  | 853Y-15        | 33 | (V) Type 55 Elbow  | 875HEL        | 15 |
| (V) L250D-250         | 152LX-125     | 47 | (V) SR361B-510  | 853F-80        | 33 | (V) Type 55 Head   | 875HRB        | 15 |
| (V) L260A-250         | 152LY-15      | 47 | (V) SR450D-540  | 153X-125       | 35 | (V) Type 55 Mixer  | 876M          | 15 |
| (V) L261C-250         | 152LF-80      | 47 | (V) SR450D-580  | 153IN-125      | 35 | (V) UM             | 873M          | 13 |
| (V) L350D-250         | 853LX-125     | 48 | (V) SR450D-590  | 153Q-125       | 35 | (V) UM-1           | 872M          | 13 |
| (V) L360A-250         | 853LY-15      | 48 | (V) SR450E-346  | 153Q-200       | 35 | (V) UM-J           | 871M          | 13 |
| (V) L361D-250         | 853LF-125     | 48 | (V) SR450E-540  | 153X-250       | 35 | (V) VTS250C-540    | 152TX-80      | 39 |
| (V) L700C-750         | 155LX-80      | 49 | (V) SR450E-580  | 153IN-250      | 35 | (V) VTS250D-346    | 152TQ-125     | 39 |
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| (V) L700E-750         | 155LX-200     | 49 | (V) SR450ME-996 | 153MX-200      | 50 | (V) VTS260A-300    | 152TY-15-3    | 39 |
| (V) L710A-750         | 155LY-15      | 49 | (V) SR452D-350  | 153H-125       | 35 | (V) VTS260A-510    | 152TY-15      | 39 |
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| (V) L711E-500         | 155LF-200     | 49 | (V) SR453D-320  | 153C-125       | 35 | (V) VTS450D-540    | 153TX-125     | 40 |
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| (V) LC350DR-540       | 853LCRX-125   | 34 | (V) SR460A-300  | 153Y-15-3      | 35 | (V) VTS450D-590    | 153TQ-125     | 40 |
| (V) LC350DR-580       | 853LCRIN-125  | 34 | (V) SR460A-510  | 153Y-15        | 35 | (V) VTS450E-346    | 153TQ-200     | 40 |
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| (V) MFN               | 173HN         | 14 | (V) SR4F-350    | 591H-750       | 27 | (V) VTS453E-320    | 153TC-200     | 40 |
| (V) MFN-1             | 172HN         | 14 | (V) SR4F-540    | 591X-750       | 27 | (V) VTS460A-300    | 153TY-15-3    | 40 |
| (V) MFN-J             | 171HN         | 14 | (V) SR4F-580    | 591IN-750      | 27 | (V) VTS460A-510    | 153TY-15      | 40 |
| (V) Performer         | 1121          | 1  | (V) SR4G-346    | 591Q-1500      | 27 | (V) VTS461D-510    | 153TF-125     | 40 |
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| (V) S250C-024         | 152SX-80      | 43 | (V) SR4J-347    | 591Q-3000-347  | 27 | (V) VTS710D-580    | 155TIN-125    | 41 |
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| (V) S250D-024         | 152SX-125     | 43 | (V) SR4J-540    | 591X-3000      | 27 | (V) VTS710MA-997   | 155TMY-15     | 53 |
| (V) S250D-034         | 152SIN-125    | 43 | (V) SR4J-580    | 591IN-3000     | 27 | (V) VTS711D-510    | 155TF-125     | 41 |
| (V) S260A-025         | 152SY-15      | 43 | (V) SR4J-680    | 591IN-3000-680 | 27 | (V) W              | 173W          | 13 |
| (V) S261C-025         | 152SF-80      | 43 | (V) SR4K-347    | 591Q-4500-347  | 27 | (V) W-1            | 172W          | 13 |
| (V) S261D-025         | 152SF-125     | 43 | (V) SR4K-680    | 591IN-4500-680 | 27 | (V) W-J            | 171W          | 13 |
| (V) S350B-024         | 853SX-40      | 44 | (V) SR5-60-540  | 190X-80        | 28 |                    |               |    |
| (V) S350C-024         | 853SX-80      | 44 | (V) SR5B-320    | 190C-175       | 28 |                    |               |    |
| (V) S350CR-024        | 853SRX-80     | 45 | (V) SR5B-580    | 190IN-80       | 28 |                    |               |    |
| (V) S350CR-034        | 853SRIN-80    | 45 | (V) SR6-15-300  | 190Y-15-3      | 28 |                    |               |    |
| (V) S350D-024         | 853SX-125     | 44 | (V) SR6-15-510  | 190Y-15        | 28 |                    |               |    |
| (V) S350DR-024        | 853SRX-125    | 45 | (V) SR6-15-520  | 190Y-15-5      | 28 |                    |               |    |
| (V) S350DR-034        | 853SRIN-125   | 45 | (V) SR700D-540  | 155X-125       | 36 |                    |               |    |
| (V) S360A-025         | 853SY-15      | 44 | (V) SR700D-580  | 155IN-125      | 36 |                    |               |    |
| (V) S360AR-025        | 853SRY-15     | 45 | (V) SR700E-346  | 155Q-200       | 36 |                    |               |    |
| (V) S361C-025         | 853SF-80      | 44 | (V) SR700E-540  | 155X-200       | 36 |                    |               |    |
| (V) S361CR-025        | 853SRF-80     | 45 | (V) SR700E-580  | 155IN-200      | 36 |                    |               |    |
| (V) S700D-996         | 155SX-125     | 46 | (V) SR700MD-996 | 155MIN-125     | 52 |                    |               |    |
| (V) S710A-997         | 155SY-15      | 46 | (V) SR700ME-996 | 155MIN-200     | 52 |                    |               |    |
| (V) S711C-997         | 155SF-80      | 46 | (V) SR702E-350  | 155H-200       | 36 |                    |               |    |
| (V) SFG250-034        | 152SIN-40FG   | 43 | (V) SR710A-510  | 155Y-15        | 36 |                    |               |    |
| (V) SR150CR-540       | 210X-80       | 29 | (V) SR710MA-996 | 155MY-15       | 52 |                    |               |    |
| (V) SR160AR-200       | 210Y-15       | 29 | (V) SR711D-510  | 155F-125       | 36 |                    |               |    |

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