



## Industrial & Welding



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## Company Overview

All Safe Global, Inc. is a Minneapolis, MN-based master distributor of equipment and accessories for compressed gas delivery, beverage production, and fire suppression. The company provides a broad selection of services and hard goods to multiple end-use gas markets.

All Safe Global, Inc. has been serving U.S. and select international markets since 1976. The company is a leading, nationally recognized DOT test facility and compressed gas equipment supplier, with a robust combination of service capabilities and a large inventory for rapid order fulfillment and quick turnaround.

The company's mission is to be the premier provider of value-driven, high-quality gas and liquid delivery solutions by excelling at global sourcing, fulfillment, and customer service. All Safe Global pledges to provide customers with a competitive advantage through its large-scale operations, distinctive products and services, and extensive supply chain.

## Benefits of Working with All Safe Global

1. Exclusive product lines and unique product combinations
2. Quick order turnaround
3. Cost advantages through volume purchasing power and value-driven supply chain
4. Global fulfillment capability
5. Unique product knowledge and application-driven technical support

## Products & Services

The company offers highly competitive products and services across a broad range of markets. Primary products include a wide selection of cylinders, valves, O-Rings, beer kegging and brewing equipment, fire suppression equipment, breathing air, and parts for compressed gas applications, including high-pressure welding, beer and beverage, medical and specialty, and low-pressure refrigerant and propane. Services include DOT-authorized hydrostatic cylinder recertification, refurbishing, recycling, and disposal. Financing assistance is also available.

Before using this catalog, please refer to the safety information located in the back of the catalog.

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# INTRODUCTION

## CGA – GAS SELECTION CHART FOR FITTINGS

### PURE GASES

CGA Fittings	Pure Gases
510/300	Acetylene
590/346/347/702	Air
240/660/705	Ammonia
580/680/677	Argon
350	Arsine
320	Carbon Dioxide
350	Carbon Monoxide
660	Chlorine
510	Cyclopropane
350	Deuterium
350	Ethane
350	Ethylene
510	Ethylene Oxide
580/680/677	Helium
350/695/703	Hydrogen
330	Hydrogen Chloride
330	Hydrogen Sulfide
580	Krypton, KR-85
350/695/703	Methane
510	Methyl Chloride
580/680/677	Neon
580/680/677	Nitrogen
326	Nitrous Oxide
540/577/701	Oxygen
350	Phosphine
510	Propane
350	Silane
668/660	Sulfur Dioxide
590	Sulfur Hexafluoride
580/680/677	Xenon

### MIXED GASES

CGA Fittings	Minor Component	Major Component
240/660/705	Ammonia	Nitrogen
350	Butane	Nitrogen
296	Carbon Dioxide	Oxygen
580	Carbon Dioxide	Helium or Nitrogen
580	Carbon Dioxide and/or Nitrogen	Helium
330	Chlorine	Nitrogen
350	Diborane	Argon, Helium, Hydrogen, or Nitrogen
580	Freon-12	Nitrogen
296	Helium	Oxygen
350	Hexane	Nitrogen
350	Isobutane	Nitrogen
350	Krypton-85	Carbon Monoxide, Hydrogen, or Methane
330	Krypton-85	Chlorine
540	Krypton-85	Oxygen
580	Moisture	Argon, Helium, or Nitrogen
660	Nitric Oxide	Nitrogen
660	Nitrogen Dioxide	Air or Nitrogen
590	Nitrous Oxide	Nitrogen
590	Oxygen	Nitrogen or Helium
350	Propane*	Nitrogen or Helium
660	Sulfur Dioxide	Air or Nitrogen
590	Sulfur Hexafluoride	Argon, Helium, or Nitrogen
350	Sulfur Hexafluoride	Hydrogen
350	Tritium	Argon, Carbon Dioxide, Hydrogen, Methane, Neon, Nitrogen, Krypton, or Xenon

### MEDICAL GASES

CGA Fittings	Gas Type
870	Oxygen
940	CO2
930	Inert / Nitrogen
960	Inert / Nitrogen
910	Nitrous Oxide
950	Breathing Air
965	Medical Gas Mixtures
973	Medical Gas Mixtures

*It is the user's responsibility to familiarize him/herself with the specific properties and dangers of the gases used for their application. The valve outlet to be used with a cylinder for a particular use is specified by the Compressed Gas Association (CGA). CGA specifications can be found in the document published by the CGA entitled "CGA STANDARD V-1, Compressed Gas Cylinder Valve Outlet Connections." These specifications have been adopted to prevent the inadvertent mixing and/or improper use of gases that could be dangerous. The chart described here is a reference tool only. Consult your gas supplier or the CGA to determine the actual valve type and CGA connection required for your application. Compressed gas cylinders, valves, and the gases contained in them are dangerous and should only be handled by qualified individuals.*



Your work depends on reliable, quality equipment. All Safe Global is dedicated to providing everything you need to get the job done right.

Our unmatched selection of cylinders, valves, regulators, and parts comes with equally unmatched support. A knowledgeable sales and technical support staff, worldwide shipping capabilities, and financing assistance all work together to make All Safe Global the leader in industrial gas equipment.

## CYLINDERS

### High-Pressure Aluminum Cylinders

- U.S. DOT- and TC-approved
- 4 to 265 cu ft capacities
- 1800 to 3000 PSI pressure ratings
- Ships empty
- Suitable for many applications including helium, oxygen, inert and more
- Highly corrosion-resistant interior and exterior, ideal for wet gases such as CO<sub>2</sub>
- Performs well at low temperatures
- Lightweight – up to 40 percent lighter than comparable steel Tanks
- Consistent Tare Weight
- Thick, consistent walls resist damage
- Brushed external surface provides a low-maintenance finish

### High-Pressure Steel Cylinders

- U.S. DOT, ISO/UN, and TC-approved
- 20 to 600 cu ft capacities
- Protective cap and neck ring included with 80 cu ft and larger cylinders

- High-quality chrome-moly steel construction
- Factory painted in standard colors
- Custom options available: cylinder paint colors, cylinder shoulder stamping, and high-quality valve installation

### Acetylene Cylinders

- U.S. DOT- and TC-approved
- 10 to 145 cu ft capacities
- Asbestos-free porous mass
- Protective cap included with 75 cu ft and larger cylinders
- Factory painted in standard colors
- Custom options available: cylinder paint colors, cylinder shoulder stamping, and high-quality valve installation

### Breathing Air Cylinders

- U.S. DOT, ISO/UN, and TC approved
- 500 and 585 cu ft capacities
- Protective cap and neck ring included
- High-strength chrome-moly steel construction
- Factory painted in standard colors
- Custom options available: cylinder paint colors, cylinder shoulder stamping, and high-quality valve installation



## CO2 Cylinders

- U.S. DOT- and TC- approved
- 1800 PSI cylinders for CO2 and related gas blends, including beer mix
- Available in 2.5 to 100 lb. capacities, including the world's largest portable aluminum CO2 cylinder at 50 lbs.
- Ships empty
- Can be converted for other applications such as nitrous oxide (additional charges apply)
- Highly corrosion-resistant interior and exterior, ideal for wet gases such as CO2
- Performs well at low temperatures
- Lightweight – up to 40 percent lighter than comparable steel tanks
- Consistent Tare Weight
- Thick, consistent walls resist damage
- Brushed external surface provides a low-maintenance finish

## Cryogenic & Liquid Cylinders

- Continuous flow rates
- Portable and vacuum-insulated
- Full circle shock-mount ring
- Innovative non-binding contents gauge
- Polished heavy-duty outer body
- Reinforced lateral head support
- Simple operation and longer run times for improved operational efficiency
- Color-coded relief valves for different pressure settings
- 5 to 7-year warranty on vacuum (cylinder dependent)

## VALVES & REGULATORS

### Valves

All Safe Global stocks high-quality valves for virtually every compressed gas application – medical, propane, welding, fire suppression, SCBA, refrigeration, beverage, and more.

Every valve is manufactured to North American production standards, and meets our demanding requirements for quality materials and precise construction. Many of our manufacturing partners are ISO 9001-certified, meeting the strictest manufacturing and quality benchmarks in the industry.

All valves feature:

- Robust construction, with a durable brass body and precisely machined internal components
- Pressure Relief Devices (PRD) with excellent flow and a robust, durable thread design
- Leak rate-testing with 100% helium
- Designs suitable for low- and high-pressure applications
- Cleaning for oxygen applications where appropriate

### Regulators

All Safe Global offers a wide variety of regulators and flow control devices for CO2 and nitrogen applications. Our line of nitrogen, CO2, and HVAC regulators feature:

- Robust brass and aluminum construction, for reliable performance over time
- Safety-first design, including pressure-relief systems and impact-resistant gauges and gauge covers
- Locking adjustment valves with durable, user-friendly polycarbonate bonnets
- CO2 regulators include a 10 micron contaminant filter and are available in single or dual pressure gauge configurations.



## HIGH PRESSURE ALUMINUM CYLINDERS

Size	Gas Service	Description	Part Number
4 cu ft	Multiple	4 cu ft Aluminum Cylinder - 2216 PSI - Standard Dome	4CUFTALVLV
7 cu ft	Multiple	7 cu ft Aluminum Cylinder - 2015 PSI - Standard Dome	7CUFTALVLV
20 cu ft	Multiple	20 cu ft Aluminum Cylinder - 2015 PSI - No Paint	20CUFTALVLV
22 cu ft	Multiple	22 cu ft Aluminum Cylinder - 2216 PSI - Custom Painted Dome	22CUFTALVLV
33 cu ft	Multiple	33 cu ft Aluminum Cylinder - 2216 PSI - Custom Painted Dome	33CUFTALVLV
60 cu ft	Multiple	60 cu ft Aluminum Cylinder - 2216 PSI - Custom Painted Dome	60CUFTALVLV
88 cu ft	Multiple	88 cu ft Aluminum Cylinder - 2216 PSI - Standard Dome	88CUFTALVLV
150 cu ft	Multiple	150 cu ft Aluminum Cylinder - 2015 PSI - Carry Handle - Brushed Finish	150CUFTALVLV
265 cu ft	Multiple	265 cu ft Aluminum Cylinder - 2216 PSI - Standard Dome	265CUFTALVLV

Valves Installed per Customer Request



20CUFTALVLV



22CUFTALVLV



60CUFTALVLV

All Safe offers a unique selection of high pressure (2015 PSI to 3000 PSI) aluminum cylinders for containment of a variety of gases. Sizes range from 4 cu ft to 270 cu ft. All cylinders offered are manufactured to meet DOT and TC specifications.



## HIGH PRESSURE STEEL CYLINDERS

Size	Gas Service	Description	Part Number
20 cu ft	Multiple	20 cu ft Steel Cylinder – Standard Valve	20STEEL
40 cu ft	Multiple	40 cu ft Steel Cylinder – Standard Valve	40STEEL
40 cu ft	Multiple	40 cu ft Steel Cylinders – Standard Valve – Cap & Collar	40STEELCAP
55 cu ft	Multiple	55 cu ft Steel Cylinder – Standard Valve – Cap & Collar	60STEEL
80 cu ft	Multiple	80 cu ft Steel Cylinder – Standard Valve – Cap & Collar	80STEEL

Valves installed per customer request  
 Choose valve type, custom paint, stencil, & collar options



20STEEL



40STEEL



80STEEL

← For more information on the differences and advantages of ISO cylinders, see pages 51–53.

All Safe offers a large selection of high pressure steel cylinders that are US DOT- and TC-approved.

All Safe carries both US DOT/TC marked cylinders and UN/ISO marked cylinders (Both approved for use in USA and Canada by the U.S. Department of Transportation & Transport Canada). We generally recommend ISO type when purchasing steel.





## HIGH PRESSURE STEEL CYLINDERS

Size	Gas Service	Description	Part Number
125 cu ft	Multiple	125 cu ft Steel Cylinder – Standard Valve – Cap & Collar	125STEEL
150 cu ft	Multiple	150 cu ft Steel Cylinder – Standard Valve – Cap & Collar	150STEEL
250 cu ft	Multiple	250 cu ft Steel Cylinder – Standard Valve – Cap & Collar	250STEEL
300 cu ft	Multiple	300 cu ft Steel Cylinder – Standard Valve – Cap & Collar	300STEEL

Valves installed per customer request  
Choose valve type, custom paint, stencil, & collar options



125STEEL



150STEEL



250STEEL



300STEEL

← For more information on the differences and advantages of ISO cylinders, see pages 51–53.

All Safe offers a large selection of high pressure steel cylinders that are US DOT- and TC-approved.

All Safe carries both US DOT/TC marked cylinders and UN/ISO marked cylinders (Both approved for use in USA and Canada by the U.S. Department of Transportation & Transport Canada). We generally recommend ISO type when purchasing steel.



## BREATHING AIR CYLINDERS

Size	Gas Service	Description	Part Number
345 cu. ft	Breathing Air	345 cu ft UN/ISO cylinder with standard valve inlet - 3600 PSI	345STEEL
500 cu ft	Breathing Air	500 cu ft UN/ISO Cylinder - 25E Valve Inlet - 4500 PSI	500STEEL-25E
500 cu ft	Breathing Air	500 cu ft Exemption Special Permit Cylinder - 3/4"-14 NGT Valve Inlet - 4500 PSI	500STEEL
585 cu ft	Breathing Air	585 cu ft UN/ISO Cylinder - 25E Valve Inlet - 6000 PSI	585STEEL-25E
585 cu ft	Breathing Air	585 cu ft Exemption Special Permit Cylinder - 3/4"-14 NGT valve inlet - 6000 PSI	585STEEL
Varies	Breathing Air	Note: other sizes of breathing air also available. Contact your representative for details.	Varies

Standard CGA valves installed per customer request



345STEEL



500STEEL-25E



585STEEL-25E



## ACETYLENE CYLINDERS

Size	Gas Service	Description	Part Number
10 cu ft	Acetylene	"MC" 10 cu ft Steel Cylinder - No Cap Required	ACET-MC
40 cu ft	Acetylene	"B" 40 cu ft Steel Cylinder - No Cap Required	ACET-B
40 cu ft	Acetylene	"B" 40 cu ft Steel Cylinder - Includes Cap	ACET-B-CAP
75 cu ft	Acetylene	75 cu ft Steel Cylinder - Includes Cap	ACET-75CUFT
145 cu ft	Acetylene	145 cu ft Steel Cylinder - Includes Cap	ACET-145CUFT

*Valves installed per customer request*



ACET-MC



ACET-B



ACET-75CUFT



ACET-145CUFT

*All Safe offers acetylene cylinders that are US DOT- and TC-approved.*



## ALUMINUM CO2 CYLINDERS

Size	Gas Service	Description	Part Number
2.5 lb.	CO2	2.5 lb. Aluminum - CGA320 Valve - 1800 PSI	25LBALVLV
5 lb.	CO2	5 lb. Aluminum - CGA320 Valve - 1800 PSI	5LBALVLV
10 lb.	CO2	10 lb. Aluminum - CGA320 Valve - 1800 PSI	10LBALVLV
10 lb.	CO2	10 lb. Aluminum - CGA 320 Valve - 1800 PSI - Carry Handle	10LBALVLV-H
15 lb.	CO2	15 lb. Aluminum - CGA320 Valve - 1800 PSI	15LBALVLV
20 lb.	CO2	20 lb. Aluminum - CGA320 Valve - 1800 PSI - Carry Handle	20LBALVLV
35 lb.	CO2	35 lb. Aluminum - CGA320 Valve - 1800 PSI - Carry Handle	35LBALVLV
50 lb.	CO2	50 lb. Aluminum - CGA320 Valve - 1800 PSI - Carry Handle or Cap	50LBALVLV

*Standard CGA valves installed per customer request*



25LBALVLV



5LBALVLV



10LBALVLV



20LBALVLV



35LBALVLV



50LBALVLV



## STEEL CO2 CYLINDERS

Size	Gas Service	Description	Part Number
20 lb.	CO2	20 lb. Steel Cylinder - CGA320 Valve - Cap	20LB-ST-VLV
50 lb.	CO2	50 lb. Steel Cylinder - CGA320 Valve - Cap	50LB-ST-VLV
75 lb.	CO2	75 lb. Steel Cylinder - CGA320 Valve - Cap	75LB-ST-VLV
100 lb.	CO2	100 lb. Steel Cylinder - CGA320 Valve - Cap	100LB-ST-VLV

Standard CGA valves installed per customer request



50LB-ST-VLV



75LB-ST-VLV

Silk screen, stamp, stencil, wrap, or adhesive label cylinders with your brand or message. Custom neck rings can also be installed on steel cylinders.

Please call for details.





## CRYOGENIC LIQUID CYLINDERS & DEWARs

Size	Gas Service	Description	Part Number
600 lb.	Liquid CO2	600 lb. Liquid CO2 Capacity – Primary PRD 300 PSI	LC-CO2-600lb-TW
175 liter	Liquid Nitrogen	175 liter Nitrogen – Withdrawal Rate 350 cfh. PRD 350 PSI	LC-N2-175L-TW
4 liter	Liquid Nitrogen Dewar	4 liter Capacity Liquid Nitrogen Dewar	LD-4L-TW
10 liter	Liquid Nitrogen Dewar	10 liter Capacity Liquid Nitrogen Dewar	LD-10L-TW
25 liter	Liquid Nitrogen Dewar	25 liter Capacity Liquid Nitrogen Dewar	LD-25L-TW
Withdrawal	Withdrawal Device	Liquid Withdrawal Device for LD25 Liquid Nitrogen Dewar	LDLW25



LD-25L-TW



LDLW25



LC-CO2-600lb-TW

← Cryogenic Liquid Valves see page 34.



## PROPYLENE STEEL CYLINDERS

Size	Gas Service	Description	Part Number
25.5 lb.	Propylene	25.5 lb. Steel Cylinder – 260 PSI with 10% Valve – Cutting Fuel	25.5LB260PSIVLV
60 lb.	Propylene	60 lb. Steel Cylinder – 260 PSI with 10% Valve – Cutting Fuel	60LB260PSIVLV
100 lb.	Propylene	100 lb. Steel Cylinder – 260 PSI with 10% Valve – Cutting Fuel	100LB260PSIVLV

*Standard CGA valves installed per customer request*



25.5LB260PSIVLV



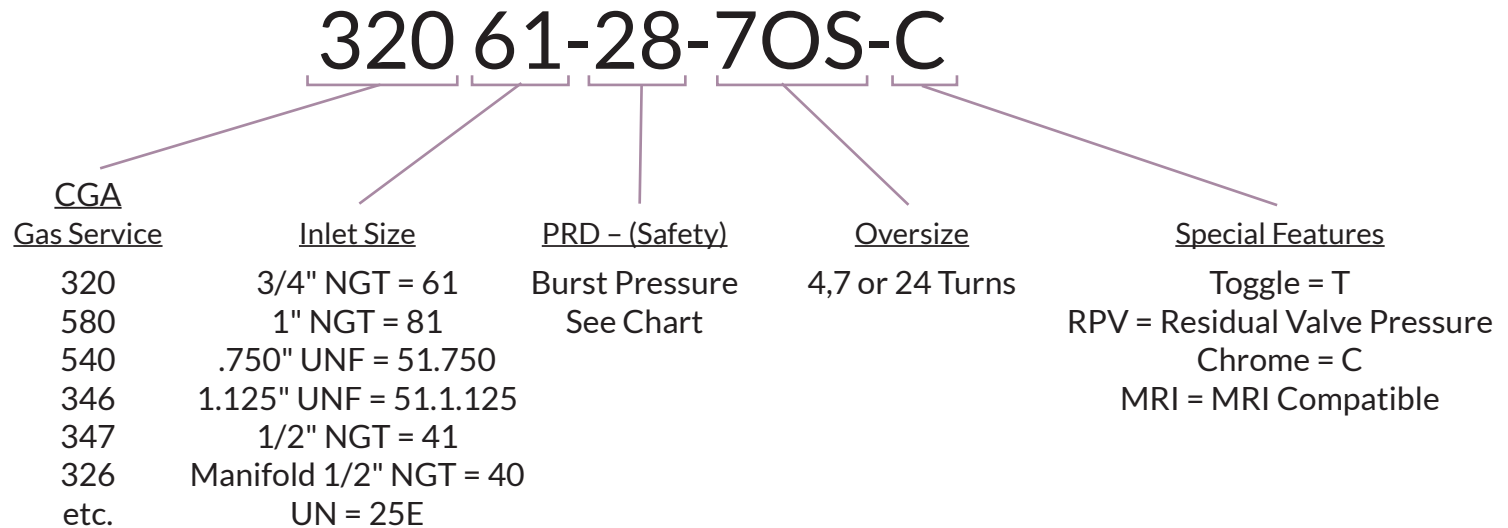
60LB260PSIVLV



100LB260PSIVLV



## COMMON VALVE PART NUMBER DESIGNATION



*Note: UNF type threads are "straight thread" with O-Ring seal typically used for aluminum & composite cylinders.  
 NGT-type threads are a tapered thread typically for steel cylinders.*

## ACETYLENE SERVICE VALVES & PLUGS

Type	Description	Part Number
CGA200	CGA200 Acetylene Valve - 3/8" NGT - CG3 PRD - Packed & Wrench Operated	S200
CGA200	CGA200 Acetylene Valve - 3/8" NGT - CG3 PRD - Hand Wheel	200HW
CGA300	CGA300 Acetylene Valve - 1/2" NGT Inlet - No PRD	30040
CGA300	CGA300 Acetylene Valve - 1" NGT - No PRD	30080
CGA300	CGA300 Acetylene Valve - 3/4" NGT - No PRD	30060
CGA400	CGA400 Acetylene Valve - 3/4" NGT - No PRD	41060
CGA510	CGA510 Acetylene Valve - 1/2" NGT - No PRD	51040
CGA510	CGA510 Acetylene Valve - 1" NGT - No PRD	51080



30080



200HW



30060

- ← Propylene valves can be found on page 15.
- ← To determine the proper safety for your valve see our PRD selection chart on page 50.



## ACETYLENE SERVICE VALVES & PLUGS

Type	Description	Part Number
CGA510	CGA510 Acetylene Valve - 3/4" NGT - No PRD	51060
CGA510V	CGA510 Acetylene Valve - 3/4" NGT - GVT Vertical Outlet with handwheel	51060T-VERT
CGA510V	CGA510 Acetylene Valve - 3/4" NGT - Vertical Outlet - Wrench Style	51060-VERT-W
CGA510	CGA 510 Acetylene Valve - 3/4" NGT (+3 tours)	51060-3
VAC520B	VAC520B Acetylene Valve - 3/8" NGT - CG3 PRD	520B
VAC520B	VAC520B Acetylene Valve - 3/8" NGT - CG3 PRD with Handwheel	520BHW
Felt	Acetylene Felt 3/8"	FELT0375
Felt	Acetylene Felt 3/4"	FELT0750
Felt	Acetylene Felt 1"	FELT1000
Plug	Fuse Plug - 1/8" NPT - CG3 212F - Tin Steel	SGVFUSEPLUG-200B
Plug	Fuse Plug - 1/4" NPT - CG3 212 - Brass	SGVFUSEPLUG-212
Screen	Acetylene Screen 3/8"	SCREEN0375
Screen	Acetylene Screen 3/4"	SCREEN0750
Screen	Acetylene Screen 1"	SCREEN1000



51060



51060T-VERT



520BHW

- ← Check out valve replacement parts on pages 45-49.
- ← To determine the proper safety for your valve see our PRD selection chart on page 50.





## BREATHING AIR SERVICE VALVES

Type	Description	Part Number
CGA346	CGA346 Valve - 3/4" NGT - 3000 PSI	34661-XX
CGA346	CGA346 Valve - 1" NGT - 3000 PSI	34681-XX
CGA346	CGA346 Valve - 1/2" NGT - Manifold - No PRD	34640
CGA346	CGA346 Valve - 1.125" Straight - 3000 PSI	34651-XX.1.125
CGA346	CGA346 Valve - .750" Straight - 3360 PSI	34651-XX.750
CGA347	CGA347 Valve - 3/4" NGT - .024" Oversize - 6750 PSI	34761-XX-24OS
CGA347	CGA347 Valve - 3/4" NGT - 6750 PSI	34761-XX
CGA347	CGA347 Valve - 25E - 6750 PSI	34725E1-XX
CGA347	CGA347 Valve - 1" NGT - 6750 PSI	34781-XX
CGA702	CGA702 Valve - 1" NGT - Special Order 250+	70281-XX
CGA702	CGA702 Valve - 3/4" NGT - 9000 PSI	70261-XX
CGA702	CGA702 Valve - 25E - 9000 EURO	70225E-XX



34761-XX



70261-XX

← To determine the proper safety for your valve see our PRD selection chart on page 50.



## CO2 SERVICE VALVES

Type	Description	Part Number
CGA320	CGA320 Valve - 1/2" NGT - 3000 PSI	32041-XX
CGA320	CGA320 Valve - 3/4" NGT - 3000 PSI	32061-XX
CGA320	CGA320 Valve - 1.125" NGT - 3000 PSI	32051-XX.1.125
CGA320	CGA320 Valve - 1/2" NGT - MANIFOLD	32040-XX
CGA320	CGA320 Valve - 1/2" NGT - MANIFOLD	32040M-XX040
CGA320	CGA320 Valve - 3/4" NGT - MANIFOLD	32060-XX
CGA320	CGA320 Valve - 3/4" NGT - MANIFOLD	32060M-XX060
CGA320	CGA320 Valve - .750" UNF - 3000 PSI	32051-XX.750
CGA320	CGA320 Valve - 1" NGT - 3000 PSI	32081-XX



32051-XX.1.125

← To determine the proper safety for your valve see our PRD selection chart on page 50.



## CRYOGENIC VALVES

Type	Description	Part Number
Shut-Off Valve	Cryogenic Shut-Off Valve for Liquid Cylinder Service	SCRYO9001
Shut-Off Valve	Cryogenic Shut-Off Valve for Liquid Cylinder Service	SCRYO9002

## HVAC MULTI-VALVES

Type	Description	Part Number
HVAC Multi-Valve	Nitrogen Valve Regulator and Flowmeter for HVAC Purge – 250 PSI Test Pressure	REGHVAC-250
HVAC Multi-Valve	Nitrogen Valve Regulator and Flowmeter for HVAC Purge – 500 PSI Test Pressure	REGHVAC-500



SCRYO9001



SCRYO9002



REGHVAC-250



REGHVAC-500

*REGHVAC-250 and -500 are innovative flowmeter / regulator combinations designed to test and purge HVAC systems with a single unit.*

*Each features preset flows for brazing, purging, and testing; tool-less cylinder connection; content gauge; and large, easy-to-read flow selector.*



## HYDROGEN SERVICE VALVES

Type	Description	Part Number
CGA350	CGA350 Valve - 1.125" Straight - 3360 PSI/212F	35055-XX-1.125
CGA350	CGA350 Valve - 1/2" NGT - 3000 PSI 212F - Leaded safety	35045-XX
CGA350	CGA350 Valve - 3/4" NGT - 3360 PSI - .004" Oversize	35065-XX
CGA350	CGA350 Valve - 1/2" NGT - Manifold	35040
CGA350	CGA350 Cap & Chain - Brass	350CC



35055-XX-1.125

← To determine the proper safety for your valve see our PRD selection chart on page 50.



## INDUSTRIAL SERVICE VALVES

Type	Description	Part Number
CGA330	CGA330 Valve - Stainless - 1 1/8" Straight Thread - 3360 PSI	33051-XX.1.125
Line Valve	Line Valve - 1/4" NGT - Male/Female - Compressed Air	3010
Line Valve	Line Valve Panel Mount - 1/4" NGT - Male / Female - Compressed Air	3010A
Line Valve	Line Valve Panel Mount - 1/4" NGT - Male / Female - 4 Port	3010-4F
CGA555	CGA555 Valve - 3/4" NGT - 3360 PSI	55561-XX
CGA577	CGA 577 Valve - 3/4" NGT - 5833 PSI	57761-XX
CGA880	CGA 880 Valve - 1/2" NGT Post	88044-XX
CNG Valve	CNG - 3/4" NGT - Inlet Dual - 1/4" NPT Outlet Vertical - 6750 PSI - Leaded Safety 212F	CNG61V65SB
CNG Valve	CNG - 3/4" NGT - Inlet Dual - 1/4" NPT Outlet Vertical - 6750 PSI - Non-Leaded Safety	CNG-61V-XX
CNG Valve	CNG - 3/4" NGT - Inlet Dual - 1/4" NPT Outlet Horizontal - 5833 PSI - Leaded Safety 212F	CNG61H-XX-SB
CGA296	CGA296 Valve - 3/4" NGT - 4000 PSI	29661-XX
Chlorine	660/820 Chlorine CL - XX Inlet - No PRD	660/820-CL-XX
Chlorine	660/820 Chlorine CL-1 Inlet- No PRD	660/820 CL-1
Manifold Valve	Manifold Valve - 1/2" x 1/2" NPT - Female Valve	430CM



3010



430CM

← To determine the proper safety for your valve see our PRD selection chart on page 50.





## INERT GAS SERVICE VALVES

Type	Description	Part Number
CGA580	CGA580 Valve - 1/2" NGT - 4000 PSI	58041-XX
CGA580	CGA580 Valve - 1.125" UNF - 3000 PSI	58051-XX-1.125
CGA580	CGA580 Valve - .750" UNF - 3360 PSI	58051-XX.750
CGA580	CGA580 Valve - 3/4" NGT - 3000 PSI	58061-XX
CGA580	CGA580 Valve - 1" NGT - 3000 PSI	58081-XX
CGA580	CGA580 Valve - 1/2" NGT Manifold - No PRD	58040
CGA580	CGA580 Valve Lever Action with 3000 PSI Gauge - 3360 PSI PRD	SGV8032SYSLVRG
CGA580	CGA580 Valve Lever Action with 4000 PSI Gauge - 4000 PSI PRD	580-XX-SYSLVRG
CGA677	CGA677 Valve - 1" NGT - 10,000 PSI	67781-XX
CGA677	CGA677 Valve - 3/4" NGT - 10,000 PSI	67761-XX
CGA677	CGA677 Valve - 25E - 9000 PSI	67725E-XX
CGA680	CGA680 Valve - 3/4" NGT - 5833 PSI	68061-XX
CGA680	CGA680 Valve - 25E EURO Inlet - 6750 PSI	68025E1-XX
CGA680	CGA680 / 580 Valve - 3/4" Dual Outlet	680580-XX



58061-XX



680580-XX

← To determine the proper safety for your valve see our PRD selection chart on page 50.



## NITROUS OXIDE SERVICE VALVES

Type	Description	Part Number
CGA326	CGA326 Valve - 1/2" NGT - 3000 PSI	32641-XX
CGA326	CGA326 Valve - 1.125" 12 UNF - 3000 PSI	32651-XX-1.125
CGA326	CGA326 Valve - .750" UNF - 3360 PSI	32651-XX.750
CGA326	CGA326 Valve - 3/4" NGT - 3000 PSI	32661-XX
CGA326	CGA326 Valve - 1" NGT - 3000 PSI	32681-XX
CGA326	CGA326 Valve - 1/2" NGT Manifold - No PRD	32640
CGA660	CGA660 Valve - 1" NGT - 3000 PSI	66081-XX
CGA660	CGA660 Valve - 3/4" NGT - 3000 PSI Safety - Brass	66061-XX
CGA660	CGA660 Valve - 3/4" NGT - 3360 PSI Safety - Stainless	66061-ST-XX
CGA660	CGA660 Valve - 3/4" NGT - No Safety - Stainless	66061-ST-NS
CGA660	CGA660 Valve - 1.125" UNF - 3000 PSI	66051-XX.1.125
Cap & Chain	CGA660 Cap & Chain Stainless	660SCC
Cap & Chain	CGA660 Cap & Chain Brass	CAP-660-S-C



32651-XX-1.125

← To determine the proper safety for your valve see our PRD selection chart on page 50.



## OXYGEN SERVICE VALVES

Type	Description	Part Number
CGA540	CGA540 Valve - Vertical Oxygen with Gauge Port & Handwheel	54034-XX-G
CGA540	CGA540 Valve - 3/8" NGT - 3360 PSI	BS341-311-XX
CGA540	CGA540 Valve - .750" UNF - 3360 PSI	54031-XX
CGA540	CGA540 Valve - 1/2" NGT - 3000 PSI	54041-XX
CGA540	CGA540 Valve - 1.125" Straight - 3360 PSI	54051-XX-1.125
CGA540	CGA540 Valve - .750 UNF - 3360 PSI	54051-xx-750
CGA540	CGA540 Valve - 3/4" NGT - 3000 PSI	54061-XX
CGA540	CGA540 Valve - 1/2" NGT Manifold - No PRD	54040
CGA540	CGA540 Valve - 1" NGT - 3000 PSI	54081-XX



54051-XX-1.125



54061-XX

- ← For more oxygen service, medical mix, and medical post valves see the Medical section pages 58-59.
- ← To determine the proper safety for your valve see our PRD selection chart on page 50.



## RPV VALVES

Type	Description	Part Number
Fill Adapter	580 RPV Fill Adapter - Fixed Pin	FA-580RPV
Fill Adapter	540 RPV Fill Adapter - Fixed Pin	FA-540RPV
Fill Adapter	320 RPV Fill Adapter - Fixed Pin	FA-320RPV

## SULFUR HEX OR COMPRESSED AIR

Type	Description	Part Number
CGA590	CGA590 Valve - 1 1/8"-12 UNF-2A 3360 PSI	59051-XX
CGA590	CGA590 Valve - 3/4" NGT 3360 PSI	59061-XX



FA-580RPV



59051-XX

← To determine the proper safety for your valve see our PRD selection chart on page 50.



## REFRIGERANT VALVES

Type	Description	Part Number
Relief	Pressure Relief Valve – Low Pressure Application	SRVRELIEF
CGA660	Liquid Valves – CGA660 – Low Pressure Application	SRV660L
CGA660	Vapor Valves – CGA660 – Low Pressure Application	SRV660V
CGA660	Dual Port Stack Valve w/Dip Tube – CGA 660 - 600 PSI	RRVSTACK
Dip Tube	Dip Tube Chemical & Thermal Resistant ‘Per Foot’ Min 48” Length.	RRVTUBE48
ACME Y Valve	Reclaim Valve Y 1/2" ACME Dual Port ACME Valve with Dip Tube- Liquid/Vapor DT12.5	RRVYACMEDT13
Y Valve	Reclaim Valve Y 1/4" Flare – Liquid/Vapor DT13.0 350 PSI STD	RVE16561A350B
Y Valve	Reclaim Valve Y 1/4" Flare – Liquid/Vapor DT13.0 600 PSI STD	RRVYFLAREDT13600
Handwheel	Blue Vapor Replacement Handwheel – Rotorex	67500003
Handwheel	Red Vapor Replacement Handwheel – Rotorex	67500004



SRV660L



RVE16561A350B

← To determine the proper safety for your valve see our PRD selection chart on page 50.





## PRIMARY REGULATORS

Type	Description	Part Number
CO2 Primary Regulator	High Performance Dual Gauge – No Shutoff – 0-50 PSI Range – Dual 60 lb. & 2000 lb. Gauges	CO2REG-DUAL-X
CO2 Primary Regulator	High Performance – MFL Shutoff Installed – 0-50 PSI Range – Dual 60 lb. & 2000 lb. Gauges	CO2REG-DUAL-MFL
CO2 Primary Regulator	High Performance – 1/4 Shutoff Installed – 0-50 PSI Range – Dual 60 lb. & 2000 lb. Gauges	CO2REG-DUAL-1/4BARB
CO2 Primary Regulator	High Performance – MFL Shutoff with 5/16" Barb Swivel – 0-50 PSI Range – Dual 60 lb. & 2000 lb. Gauges	CO2REG-DUAL-M516
CO2 Primary Regulator	High Performance – Single 60 lb. Gauge – 5/16" Barb Outlet with Shutoff – 0-50 PSI Range	CO2REG-SINGLE-5/16BARB
CO2 Primary Regulator	High Performance – Single 60 lb. Gauge – MFL Outlet with Shutoff – 0-50 PSI Range	CO2REG-SINGLE-MFL-HP
Nitrogen Primary Regulator	Nitrogen Primary Regulator – Dual Gauge – 5/16" Shutoff Installed – 0-50 PSI – 60 lb. & 3000 lb. Gauge	N2REG-DUAL-5/16BARB
Nitrogen Primary Regulator	Nitrogen Primary Regulator – Dual Gauge – 1/4" Shutoff Installed – 0-50 PSI – 60 lb. & 3000 lb. Gauge	N2REG-DUAL-1/4BARB



CO2REG-DUAL-MFL



CO2REG-SINGLE-MFL-HP



N2REG-DUAL-5/16BARB



## REGULATOR REPLACEMENT GAUGES

Type	Description	Part Number
CO2 Gauge	60 lb. 0 - 50 PSI High-Performance Replacement Gauge	REG-GAUGE60
CO2 Gauge	2000 lb. High-Performance Replacement Gauge	REG-GAUGE2000

## ASSEMBLIES

Type	Description	Part Number
Shutoff Assembly	Shutoff Assembly - 1/4" NPT x 1/4" MFL with Check Valve	OUTLET-1/4FLARE
Shutoff Assembly	Shutoff Assembly - 1/4" NPT x 5/16" Hose Barb with Check Valve	OUTLET-5/16BARB
Shutoff Assembly	Shutoff Assembly - 1/4" NPT x 1/4" Hose Barb with Check Valve	OUTLET-1/4BARB
Nut & Nipple Assemblies	Nut & Nipple Assemblies: 320, 346, 347, 540, 580, 677, 680, 702, etc.	Nut/Nipple



CO2G60



CO2G2000



320 Nut & Nipple Assembly



## HVAC VALVE REGULATORS

Type	Description	Part Number
HVAC Nitrogen Valve Regulator	Nitrogen Valve Regulator and Flowmeter for HVAC Purge - 250 PSI Test Pressure	REGHVAC-250
HVAC Nitrogen Valve Regulator	Nitrogen Valve Regulator and Flowmeter for HVAC Purge - 500 PSI Test Pressure	REGHVAC-500

## WELDING REGULATORS

Type	Description	Part Number
CO2 / Argon Regulator	Accu-trol MIG / TIG Argon & Argon / CO2 Welding Regulator	REG-ACUMIG-200

## BEVERAGE OXYGENATOR REGULATOR

Type	Description	Part Number
Oxygen Regulator	Beverage Oxygen Regulator "Oxygenator Kit" Amber Color	HB-OXY-REG1



REGHVAC-250



REGHVAC-500



REG-ACUMIG-200



### O-RINGS

Type	Description	Part Number
O-Ring	Small Medical Teflon O-Ring	OR1
O-Ring	Large Medical Teflon O-Ring	OR2
O-Ring	SCBA #3 O-Ring Quad	OR3
O-Ring	Paintball O-Ring Type 1 Air Cylinders	OR4
O-Ring	SCBA #5 Fiber Wrap O-Ring	OR5
O-Ring	SCBA #6 O-Ring	OR6
O-Ring	SCBA #7 O-Ring	OR7
O-Ring	SCUBA V Type Green	OR8
O-Ring	Large CO2	OR9



O-RINGS



### VALVE REPLACEMENT PARTS

Type	Description	Part Number
Disk	Sherwood TV Friction Disk	STVFRITIONDISK
Gauge	0-3000 PSI Oxygen Gauge 1/8" NGT	03000G
Handwheel	Sherwood TV Plastic Handwheel Washer	PW-13-S
Handwheel	Sherwood TV Lexan Handwheel	STVHWL
Handwheel	Sherwood TV Aluminum Handwheel	STVHWA
Handwheel	Sherwood GV Aluminum Handwheel	HWA
Handwheel	Sherwood GV Lexan Handwheel	HWL
Nut	Sherwood TV Nut	STVNUT
Nut	Sherwood GV Handwheel Nut	NUT



HWA



HWL



STVHWA



STVHWL



### VALVE REPLACEMENT PARTS

Type	Description	Part Number
Packing	Sherwood TV Packing	STVPACKING
Plug	Sherwood TV Plug & Seat Asembly	STVPLUGSEAT
Plug	3010 Line Valve Plug & Seat	3506-9
Plug	Sherwood GV Lower Seat Plug - Small	SEATPLUGSM
Rebuild Kit	430 Series Rebuild Kit - Non Acetylene	430KIT
Socket	Sherwood Handwheel Socket	SGVSOCKET
Spring	Sherwood TV Spring	STVSPRING
Stem	Sherwood TV Stem & Tang	STVSTEMTANG
Stem	Sherwood GV Bonnet & Stem Assembly Oxygen Compatible	BONSTEMOXY
Stem	Sherwood GV Bonnet & Stem Assembly	BONSTEM

*Please call for parts or brands not listed here*



### SIPHON TUBE & DIP TUBE ACCESSORIES

Type	Description	Part Number
Adapter	68-64 3/8" OD X 1/4" MIP Compression Adapter	MIPCOMPRESSIONADAPT
Pipe	20' Copper Pipe Type L - 1/4" per Foot with Chop & Debur	COPPERPIPE2025
Thread Protector	Valve Protectors - Orange Snap On for CGA320 CO2 valves	CO2CAP1
Rubber Boot	Bottom Rubber Boot for 20 lb. CO2 Cylinder	GPB-01

### THREAD SEALANT

Type	Description	Part Number
Sealant	Formula 8 Tube 100g	Formula8
Sealant	Lox 8 Paste Jar 100g	LOX8J-100g
Sealant	Lox 8 Paste Jar 10g	LOX8J-10g
Sealant	Lox 8 Paste Plunger 100g	LOX8P
Sealant Tape	Teflon Tape 3/4"	Teflon34
Sealant Tape	Teflon Tape 1/2"	Teflon12



Formula8



LOX8J-100g



LOX8P



Teflon34





### CARRY HANDLES & PARTS

Type	Description	Part Number
Carry Handle	Carry Handle Luxfer Style	ASA
Carry Handle	Carry Handle Catalina Style	ASB
Carry Handle	Carry Handle KIDDE Style	ASC
Carry Handle	Carry Handle Threaded	AST
Collar	100 lb. LPG Acetylene Const Collar	CLPCO1
Collar	Threaded Collar with Cap	TCC
Cylinder Cap	Coarse Thread Cylinder Cap – 3 1/8" x 7 Thread – North American Coarse	HPCAPCOARSE
Cylinder Cap	Fine Thread Cylinder Cap – 3 1/8" x 11 Thread – North American Fine	CAP-HPF-SC
Fiber Washer	CO2 Fiber Washer 500 pkg.	CO2FIBERWasher
Handle Adapter	Luxfer Handle Adapter	LHA19
Leak Stopper	CO2 Leak Stoppers	CO2LEAKSTOPPER
Nylon Washer	CO2 Nylon Washer 1000 pkg.	CO2NYLONWasher
Snap Ring	Snap Ring Luxfer	SRA
Snap Ring	Snap Ring Catalina	SRB
Snap Ring	Snap Ring KIDDE	SRC



ASA



HPCAPFINE



CO2FIBERWasher



CO2LEAKSTOPPER



### PRD SELECTION CHART

<i>-XX Suffix</i>	<i>D.O.T. Spec 3A, 3AA, 3AL Cylinders in PSI</i>	<i>D.O.T. Exemption Cylinders in PSI</i>	<i>Disc Rupture Range PSI @ 165°F Minimum</i>	<i>Pressure Relief - Device Cap Stamping</i>
-26	1665		2500	2775
-28	1800		2700	3000
-32	2015		3025	3360
-35	2265		3400	3775
-38	2400		3600	4000
-39			3915	4350
-43	2670		4005	4450
-46	2900		4350	4833
-47	2950		4425	4917
-48	3000		4500	5000
-50			4860	5600
-55	3500/3600	3600	5250	5833
-63	4000		6000	6665
-65		4500	6075	6750
-78	5000		7500	8333
-85		6000	8100	9000
-95	6000		9000	10000



### All Safe Global: Cylinder Certification & Specification Overview

All Safe Global has been a U.S. DOT-certified hydrostatic testing facility for over 40 years. In addition to offering new cylinders for sale, we perform refurbishing and cylinder recertification services which are compliant with, and monitored by, the U.S. DOT. UN/ISO Cylinders are equivalent to, and arguably superior to, DOT/TC-rated cylinders for the following reasons:

1. **In addition to the USA and Canada, All Safe Global's UN/ISO cylinders are approved for use in almost every country around the world.** UN/ISO is a worldwide, harmonized regulation for compressed gas cylinders that is universally recognized. This means cylinders can cross country borders and still be filled easily.
2. **Higher-rated capacities allow for UN/ISO cylinders to be easily integrated into a fleet of DOT/TC cylinders.** UN/ISO service pressure is at or above the common fill pressure of a DOT cylinder with a +10% overfill designation. Also, our UN/ISO cylinders contain friendly markings with service pressures rated in PSI and bar.
3. **UN/ISO cylinders remain in circulation at maximum capacity for the life of the tank.** Due to the higher design ratings for pressure, UN/ISO cylinders do not require REE (Rejection Elastic Expansion) testing to achieve the common cylinder service pressures used and approved in North America. While REE is a valuable and stringent test, DOT/TC cylinders will often have their maximum fill pressure ratings reduced after testing. This is very inconvenient for fillers, because they like to fill many cylinders at once with the same pressure.

### Facts and Differences About UN/ISO and DOT/TC Stamping Requirements:

1. Gas fillers in the USA can legally fill UN/ISO and DOT/TC cylinders that meet CFR regulations.
2. All Safe Global UN/ISO and DOT/TC cylinders are manufactured in the U.S. and other foreign countries.

3. UN/ISO cylinders have a higher working pressure and gas volume capacity than, DOT/TC cylinders.
4. DOT/TC-stamped cylinders are acceptable for transport to, from, and within the U.S. UN/ISO-stamped cylinders must have "USA" country-of-approval marking to be acceptable for transport to, from, or within the U.S. All Safe Global's UN/ISO cylinders are stamped "USA".
5. DOT/TC markings must conform to the applicable requirements of 49 CFR 178.35, and UN/ISO pressure receptacles markings must conform to the applicable requirements of 49 CFR 178.71.
6. DOT/TC and UN/ISO cylinder markings are expressed in conventional units.
7. DOT/TC date of manufacture is expressed as month-year (10-13), while UN/ISO is stamped year (4 digits) and month (2013/01)
8. DOT/TC stamps service pressure only in PSI. All Safe Global UN/ISO cylinders have stamps for both service pressure (PW) and test pressure (PH) in bar and PSI.
9. DOT/TC does not require inlet thread profile to be stamped. UN/ISO requires the inlet thread profile to be stamped.
10. The manufacture approval number granted by U.S. Department of Transportation (Pipeline and Hazardous Materials Safety Administration) is required by both the DOT/TC and UN/ISO. If manufactured in same facility, the approval number will be the same.
11. Third-party independent inspection is required for both DOT/TC and UN/ISO designs.
12. There is no plus or star for UN/ISO cylinders. The service pressure is already at or above the 10% overfill authorized for select gas services by DOT/TC.



### What is the Requalification Frequency for UN/ISO Cylinders, How are They Requalified, and What are the Markings?

1. UN/ISO pressure receptacles must be requalified at least once every 10 years, except for composite cylinders and pressure receptacles used for certain specialized service which must be requalified every 5 years (49 CFR 180.207).
2. The requalification markings must conform to the requirements of 49 CFR 180.213. ....
3. UN/ISO pressure receptacles may be requalified by a hydraulic pressure test or by ultrasonic examination (UE). The hydraulic pressure test may be either the volumetric expansion test or the proof pressure test. (49 CFR 180.207).....
4. 49 CFR 180.207(c) Requalification interval. Each UN/ISO pressure receptacle that becomes due for periodic requalification must be requalified at the interval specified in the following table:

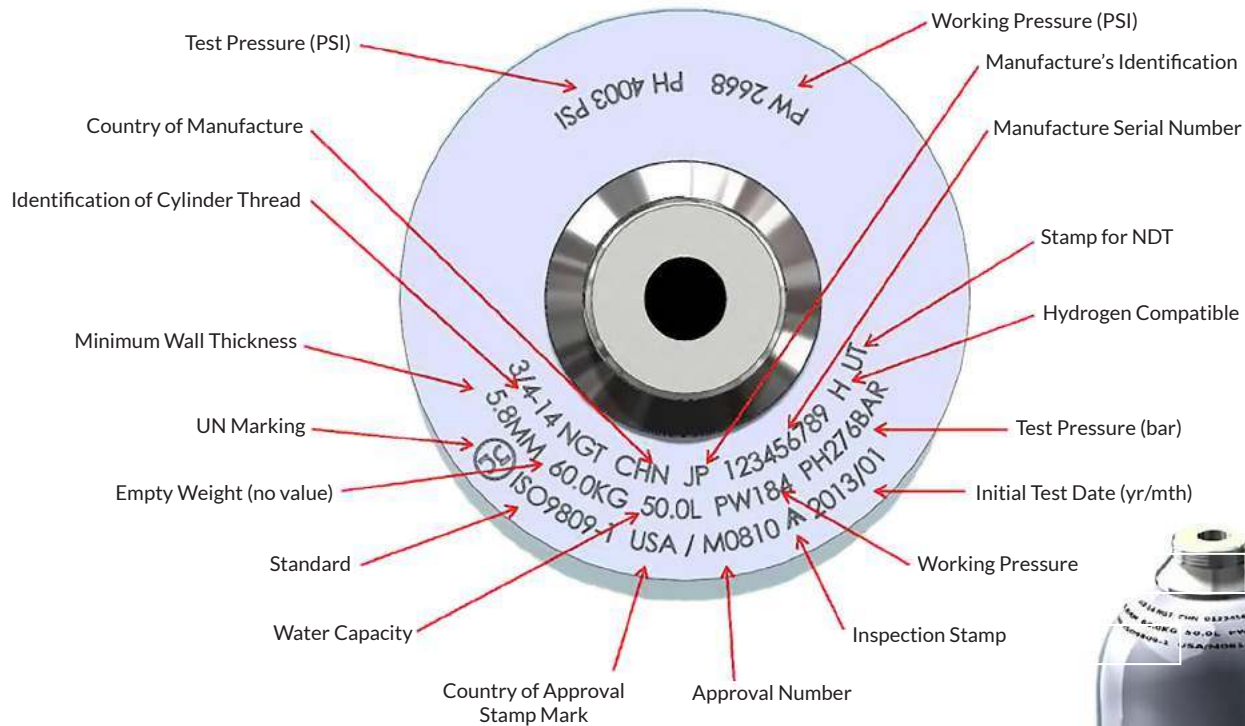
### Requalification Intervals of UN Pressure Receptacles

<i>Interval (years)</i>	<i>UN pressure receptacles/ hazardous materials</i>
10.....	Pressure receptacles for all hazardous materials except as noted below (also for dissolved acetylene, see paragraph (d)(3) of this section):
5.....	Composite pressure receptacles.
5.....	Metal hydride storage systems.
5.....	Pressure receptacles used for: All division 2.3 materials. UN1013, Carbon dioxide. UN1043, Fertilizer ammoniating solution with free ammonia. UN1051, Hydrogen cyanide, stabilized containing less than 3% water. UN1052, Hydrogen fluoride, anhydrous. UN1745, Bromine pentafluoride. UN1746, Bromine trifluoride. UN2073, Ammonia solution. UN2495, Iodine pentafluoride. UN2983, Ethylene oxide and propylene oxide mixture, not more than 30% ethylene oxide.



### UN-ISO AND DOT/TC FRIENDLY MARKINGS ON ALL SAFE CYLINDERS

(Note both ISO and TC Markings are Present for Ease of Filling in USA and Canada):



**TOP ROW**—Contains manufacturing marks such as the cylinder thread type, the country of manufacture, and the serial number assigned by the manufacturer.

**MIDDLE ROW**—Contains operational marks such as the minimum wall thickness, the tare or empty weight, water capacity in liters, working pressure (PW) in bar, and test pressure (PH) in bar.

**BOTTOM ROW**—Contains certification marks such as the UN packaging symbol, the ISO standard, the country or countries of approval, the manufacturer's approval mark, the approved third party independent inspection agency identification stamp, and the initial inspection year and month separated by a slash.

Other markings are permitted in low-stress areas, provided they are not on the side wall. Other marks must not conflict with the required markings.

All ISO/UN cylinders provided by All Safe comply with applicable requirements in 173.301b and 173.304b for transportation and filling.

\*Note: Refillable seamless steel cylinders conforming to ISO 9809-1, 9809-2, or 9809-3 are authorized with UN USA approval within the U.S. All Safe UN/ISO cylinders are ISO9809-1 UN USA approved.



All Safe Global is one of the largest DOT cylinder service centers in the U.S. With over 37 years in the business, we have the experience, technical knowledge, and attention to detail necessary for exceptional cylinder service.

We offer testing and visual inspection to re-certify high- and low-pressure cylinders as well as a full range of reconditioning services. A full list of our services is found below.

Hundreds of thousands of cylinders pass through our testing and reconditioning facility every year, so you can count on us to be your cylinder resource.

We also understand your need for a quick turn-around on orders. Our cylinder service operates daily, so your cylinders will always be ready when you need them. To provide the most efficient service possible, we have our own fleet of commercial vehicles delivering regularly, and have great freight rates for areas outside of our normal delivery area.

## Hydrostatic Testing

The industry standard method of requalifying (recertifying) compressed and packaged gas cylinders, to determine whether they are safe for continued use. Testing includes an in-depth visual examination of the cylinder's interior and exterior and a water pressure test.

Hydrostatic testing is required by the Department of Transportation for refrigerant cylinders, SCUBA tanks, SCBA tanks, aircraft cylinders, fire extinguisher cylinders, beverage (CO2) cylinders, and common compressed gas cylinders, including oxygen, argon, helium, nitrogen, hydrogen, air, nitrous oxide, and others.

## Aluma Furb

This fantastic refurbishing process refinishes and clear coats your aluminum cylinder. When coupled with a hydrostatic test (recertification), Aluma Furb is a very cost-effective alternative to purchasing new cylinders, bringing your cylinder back to "like new" condition for half the price!

## Aluminum Cylinder Cleaning/Label Removal

Aluminum oxygen cylinders can be made to look nearly new again. Our proprietary cleaning process and cylinder shoulder painting is a lower-cost alternative to completely refurbishing the cylinder. The process is usually performed when a cylinder in need of recertification is already in our facility.

## Propane Recertification

Recertification of propane and LP gas cylinders is due 12 years after the original manufacturer date and every 5 years thereafter. In addition to recertifying your propane cylinders, we can shot-blast and repaint reconditionable cylinders.

## Cylinder Exterior Blasting and Painting

All Safe Global uses cylinder-blasting machines to remove all paint, scale, and exterior contaminants from the cylinder. The cylinder is left with an ideal surface for applying an exterior coating.





## Internal Shot Blasting (ISB)

ISB is the most effective method for removing rust and corrosion from inside steel cylinders. It obsoletes the older method of cylinder tumbling.

## Cylinder Exterior Blasting and Painting

All Safe Global uses cylinder-blasting machines to remove all paint, scale, and exterior contaminants from the cylinder. The cylinder is left with an ideal surface for applying an exterior coating.

## Cylinder Stenciling, Embossing and Neck Rings

We can stencil or stamp your name on your cylinders, and replace or retighten neck rings.

## CO2 Cylinder Filling

All Safe Global can fill any CO2 cylinder, including filling purchased cylinders prior to shipping. Contact your representative for details.

## LPG /PROPANE CYLINDERS & SERVICES

Type	Number
5 lb. – Blast/Paint/Recertify/Valve-Install	BPR-5
10 lb. Tall – Blast/Paint/Recertify/Valve-Install	BPR-10
10 lb. Pancake – Blast/Paint/Recertify/Valve-Install	BPR-10P
11.5 lb. Blast – Blast/Paint/Recertify/Valve-Install	BPR-11.5
20 lb. – Blast/Paint/Recertify/Valve-Install	BPR-20
30 lb. – Blast/Paint/Recertify/Valve-Install	BPR-30
33.5 lb. – Blast/Paint/Recertify/Valve-Install	BPR-33.5
Forklift Gauge Replacement – SHOP RATE	FRK-GA
40 lb. – Blast/Paint/Recertify/Valve-Install	BPR-40
43 lb. – Blast/Paint/Recertify/Valve-Install	BPR-43
50 lb. – Blast/Paint/Recertify/Valve-Install	BPR-50
60 lb. – Blast/Paint/Recertify/Valve-Install	BPR-60
100 lb. – Blast/Paint/Recertify/Valve-Install	BPR-100
5 lb. – CO2 Cylinder Fill	RC05H
10 lb. – CO2 Cylinder Fill	RC10H
15 lb. – CO2 Cylinder Fill	RC15H
20 lb. – CO2 Cylinder Fill	RC20H





## REFRIGERANT SERVICES

Type	Number
30 to 50 lbs.	REFRIG-HYDRO-30
51 to 990 lbs.	REFRIG-HYDRO-50
1000 lbs.	REFRIG-HYDRO-1000

## MEDICAL SERVICES E SIZE & SMALLER

Type	Number
Hydrotest & Recertification	MED-HYDRO
Teflon O-Ring (required)	T-ORING
870AY NO TOGGLE Installed End of Line	870AY-SHER
Alumafurb/Clear Coat/Paint Dome	ALUMAFURB
Label Removal & Clean	LRC

## INDUSTRIAL SERVICES 20 CU FT TO 585 CU FT

Type	Number
Hydro	HYDRO
Valve	VALVESINSTALLED
Blast / Paint	BP
Label Removal	LRC

# TERMS AND CONDITIONS

**ATTENTION: PLEASE READ THESE TERMS CAREFULLY BEFORE USING THIS CATALOG OR ORDERING PRODUCT. USING THIS CATALOG INDICATES THAT YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THE TERMS NOTED HEREIN, DO NOT USE THIS CATALOG.**

## Applicability

A sales order document denoting pricing, quantities, Customer's name, delivery details, Terms and Conditions of sale and other pertinent information is generated by the Seller for each sales transaction ("Sales Order"). The Terms and Conditions on the Sales Order (referred to here as "Terms" or "Agreement") are the only terms that govern the sale of the goods ("Goods") by All Safe Global, Inc., American Cylinder, Inc. (d/b/a All Safe and All Safe Global) (collectively; "Seller") to the Customer. The customer is the user of this catalog and/or Buyer of Goods ("Customer"). These Terms prevail over any general terms and conditions of purchase submitted by Customer. Customer is subject to the terms of use of this Catalog.

## Ordering

All Safe Global, is regularly open for business Monday through Friday, 7:30AM - 4:00PM CST. Phone orders may be placed during business hours at (866) 958-3473. Fax orders may be submitted to (651) 408-7163. Online orders should be submitted via email to sales@allsafe.net.

## Minimum Orders

All Safe Global requires minimum order amounts for certain products and specific quantities to be purchased of certain items to receive designated pricing. Contact your sales representative for details. Orders of those products that do not meet the minimum are subject to a \$25 service fee and higher pricing. The \$25 minimum order fee will be added to the total invoice amount. Prices provided in this document or in supplements reflect specific

order quantity requirements. Items ordered outside of these specific quantities may be priced at different levels. All Safe Global may ship partial orders and adjust orders to meet the nearest quantity break for a specific price.

## Payment

All Safe Global accepts payment via commercial check, wire transfer, or ACH. We also accept Visa, MasterCard, American Express, and Discover cards. Credit card purchases are subject to a 4% processing fee. Accounts seeking Net 30 terms are subject to credit approval and must submit a credit request with references in writing. Payments must be received in advance for orders placed on accounts without open terms. Past-due invoices may delay the release of pending shipments.

Customer will pay interest on all late payments at the lesser of the rate of 1.5% per month or the highest rate permissible under applicable law, calculated daily and compounded monthly. Customer will reimburse Seller for all costs incurred in collecting any late payments, including, without limitation, attorneys' fees. In addition to all other remedies available under these Terms or at law (which Seller does not waive by the exercise of any rights hereunder), Seller will be entitled to suspend the delivery of any Goods if Customer fails to pay any amounts when due hereunder.

Customer will not withhold payment of any amounts due and payable by reason of any set-off of any claim or dispute with Seller, whether relating to Seller's breach, bankruptcy or otherwise.

## Shipping Terms

While most items ship within 24 to 48 hours of order processing, the standard lead time on build-to-stock items is 5 to 10 business days, not including transit time. Lead time on non-stock items, special orders, and other items may vary. Seller typically delivers Goods FCA Seller's facility in Wyoming, Minnesota (INCOTERMS 2010) (the "Delivery Point") using Seller's standard methods for packaging and shipping such Goods unless otherwise specified in

the Sales Order. The cost of shipping and insurance (if requested by Customer) will be prepaid by Seller and added to the invoice of Goods. Customer-arranged freight is subject to administrative and handling fees. All Safe Global's normal dock hours are Monday through Friday, 7:00am to 2:30pm CST. Completed orders received before 2:00 p.m. CST will generally be processed on the same business day. Orders received after 2:00 p.m. CST will generally be processed on the next business day. All requests for same day shipping must be received before 12:00 p.m. CST. Same-day shipping may not be available.

## **Title and Risk of Loss**

Title and risk of loss passes to Customer upon delivery of the Goods at the Delivery Point. As collateral security for the payment of the purchase price of the Goods, Customer hereby grants to Seller a lien on and security interest in and to all of the right, title and interest of Customer in the Goods, wherever located, and whether now existing or hereafter arising or acquired from time to time, and in all accessions thereto and replacements or modifications thereof, as well as all proceeds of the foregoing. The security interest granted under this provision constitutes a purchase money security interest under the Minnesota Uniform Commercial Code.

## **Order Cancellation**

Any order placed for same day shipping may not be cancelled or changed. All standard lead time orders require a minimum of 24 hours between the scheduled ship date and notice of cancellation. Staged or loaded merchandise may be subject to a 15% to 25% restocking fee at Seller's discretion. Sales of custom and special order merchandise are final and may not be cancelled and merchandise may not be returned.

## **Inspection and Rejection of Nonconforming Goods**

Customer will inspect the Goods within two business days of

receipt ("Inspection Period"). Customer will be deemed to have accepted the Goods unless it notifies Seller in writing of any Nonconforming Goods during the Inspection Period and furnishes such written evidence or other documentation as reasonably required by Seller. "Nonconforming Goods" means only the following: (i) product shipped is different than identified in Customer's purchase order; or (ii) product's label or packaging incorrectly identifies its contents.

If Customer timely notifies Seller of any Nonconforming Goods, Seller will, in its sole discretion, (i) replace such Nonconforming Goods with conforming Goods, or (ii) credit or refund the Price for such Nonconforming Goods, together with any reasonable shipping and handling expenses incurred by Customer in connection therewith. Customer will ship, at its expense and risk of loss, the Nonconforming Goods to Seller's facility located in Wyoming, Minnesota. If Seller exercises its option to replace Nonconforming Goods, Seller will, after receiving Customer's shipment of Nonconforming Goods, ship to Customer, at Customer's expense and risk of loss, the replaced Goods FCA Delivery Point.

Customer acknowledges and agrees that the remedies set forth in Section 4(b) are Customer's exclusive remedies for the delivery of Nonconforming Goods.

Customer is responsible for checking orders upon delivery to ensure that they are complete and undamaged. If your shipment arrives damaged or shows evidence of tampering, notify the carrier immediately in writing and note any discrepancies on all copies of your delivery paperwork. Customers can partially accept, or refuse, damaged or tamper-evident shipments.

Claims against the carrier for damage or loss should be initiated with the carrier by the receiver. All Safe Global has no recourse to file claims against carriers for shipments delivered freight collect or those signed for as received in good condition.

## Warranty and Returns

Products manufactured by a third party ("Third Party Product") constitute substantially all of the Goods. The SELLER MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE GOODS, INCLUDING ANY (i) WARRANTY OF MERCHANTABILITY; (ii) WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; OR (iii) WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY, WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.

Seller warrants to Customer that for a period of 30 days from the date of shipment of the Goods ("Valve Service Warranty Period"), that any valve installation services performed by Seller will be free from material defects in workmanship. In case of breach of the warranty in this Section, Seller will, in its sole discretion, either: (i) repair or replace such Goods (or the defective part) or (ii) credit or refund the price of such Goods at the pro rata contract rate provided that, if Seller so requests, Customer will, at Seller's expense, return such Goods to Seller. THE REMEDIES SET FORTH IN SECTION SHALL BE THE CUSTOMER'S SOLE AND EXCLUSIVE REMEDY AND SELLER'S ENTIRE LIABILITY FOR ANY BREACH OF THE (continued over)LIMITED WARRANTY SET FORTH IN THIS SECTION.

Some products may have manufacturer's warranties provided by the manufacturer. For questions about manufacturer's warranties contact your All Safe Global representative.

Before any item is returned to All Safe Global, for any reason, a Return Material Authorization number must be obtained from our Customer Service Department.

## Availability and Pricing

Availability and prices are subject to change without notice.

All Safe Global reserves the right to amend quoted prices and minimum quantities on parts and/or components. Customer will

purchase the Goods from Seller at the price(s) (the "Price(s)") set forth in the Sales Order.

The Price, and all prices, are Seller's confidential information and will not be disclosed to any third party by the Customer. Unless otherwise stated on the Sales Order, all Prices are stated in US dollars and do not include shipping, transportation, storage, special packaging or services, insurance, sales, use and excise taxes, and any other similar taxes, duties and charges of any kind imposed by any Governmental Authority on any amounts payable by Customer. Customer will be responsible for all such charges, costs and taxes; provided, that, Customer will not be responsible for any taxes imposed on, or with respect to, Seller's income, revenues, gross receipts, personnel or real or personal property or other assets.

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full extent allowed by law.

## Warning; Customer's Duty to Warn; Indemnification of Seller

Compressed gas equipment is dangerous and poses a risk of explosion, fire, suffocation, poisoning, extreme temperature, crushing and related injuries. Misuse, using the wrong equipment, or using equipment under unsafe conditions can result in bodily injury, and/or death. Customer alone is responsible for determining what equipment to use. Customer acknowledges that Seller does not customarily affix to Goods warnings labels that set forth hazards related to use of Goods themselves or intended contents ("Product Warnings"), because, as Customer hereby acknowledges, Seller is not aware of the ultimate use of Goods or contents with which Goods will be filled. Customer further acknowledges that Customer has a duty to warn end-users about dangers inherent in filling and using high-pressure gas cylinders, including a duty to warn end-users about dangers related to filling cylinders with certain gases (including those designated as hazardous substances), and that Seller has no such duty. Customer will be solely responsible for, and assumes all obligations for and liability associated with, determining the use of Goods and the foreseeable maintenance and refilling risks, as well as affixing to Goods all appropriate warning labels, including those warning labels required by law and any appropriate Product Warnings. Customer will defend, indemnify and hold Seller harmless against all claims and losses arising out of or related to (i) failure or alleged failure to provide or affix warning labels, including Product Warnings, on Goods, (ii) any deficiencies in warning labels provided or affixed to Goods, or (iii) Seller's act of providing or/and affixing warning labels to Goods in accordance with Customer's specifications, including causes of action in negligence, tort, product liability, strict liability or warranty.



## ALL SAFE GLOBAL, INC.

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