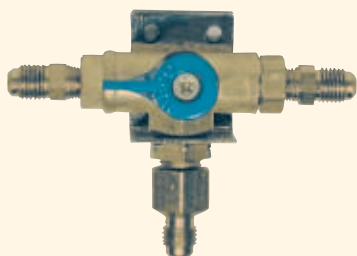


Beverage ♦ Summer 2004

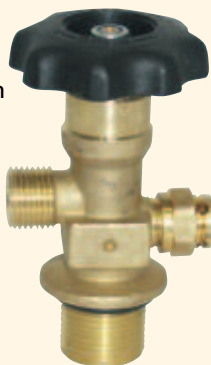
LOW PRESSURE CHANGEOVER VALVE



Keep backup supply ready for fast changeover.

VALVES FOR ALUMINUM & STEEL CYLINDERS

- Reliable Pressure Seal Construction
- Easy Operating
- Low-torque shut-off



CO₂ UNF Straight Thread Valves

AUTOMATIC MANIFOLD FOR BEVERAGE GASES



SHOULDER LABELS



Custom Imprint Here



MIX & MATCH DIFFERENT GAS LABELS FOR BEST PRICE

- ☐ Up to 2 Different Labels – 2,400 Price
- ☐ Up to 3 Different Labels – 3,600 Price
- ☐ Up to 6 Different Labels – 7,200 Price

*Minimum for Mix & Match per Label is 1,200 Pieces
Pricing is for orders placed at the same time + or - 15% print run quantity*

DEWAR PARTS



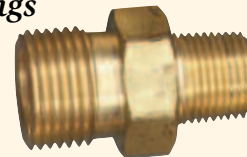
Gauges



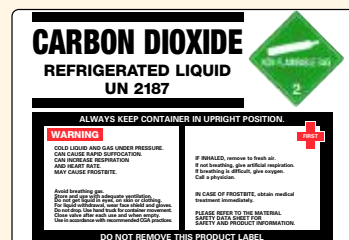
Pressure Relief



Fittings



Labels



CYLINDER PAINT ACCESSORIES



Replacement Roller, Handle and Roller Cover

Part # RP-HROLLER

CO₂ PLUG



CO₂ Dust Cover

Gas Cylinder Accessories

LOCKING CAP



For Mobile Units.
Needed to lock cap to keep regulator from being removed.



Comes with padlock



Locking Caps – High Pressure

Part #	Description	Thread
SC8FNNP	Snap Cap High Pressure*	Fine Thread – 6.5" - 3 1/8 x 11UN
SC8CNNP	Snap Cap High Pressure	Coarse Thread – 6.5" - 3 1/8 x 11UN

* Most common thread style

VALVE CAP WRENCH



Easily Open Hard to Open Caps



Part #	Description	10+	1+
CW-CAP	Cap Wrench	17.90	18.90



STAIR CLIMBER

HEAVY-DUTY DELIVERY TRUCKS

Designed to Climb Stairs

These trucks are designed to ease the load off of the operator when transporting different sizes and weights of cylinders longer distances. Rigid and foldable retractable units are available along with a choice of solid or pneumatic tires.

Rotates Against Steep Incline for Easy Lifting Up Stairs

Part #	Wheel Diameter and Type				
CBR-54STAIR	10" x 2.75" Solid Rubber BB – Stair Climber				
Combined Cyl. Dia.	Ht.	Width (O.D.)	Wt.	1+	3+
12"	48"	18"	40	149.62	128.25

LARGE SINGLE CYLINDER STANDS

The CBR-STANDS are new concepts in cylinder floor stand designs. **No more** damaged floors or carpets from rusty cylinder bottoms. **No more** lifting heavy stands up over the top of cylinders. **No more** damaged gauges or regulators. **No more** unsafe cylinder stand "ride up" due to unsafe thumb screws. The cylinder may be rolled on or off with ease and firmly locked in place, or quickly released by our Exclusive Cylinder Placement Band and large plastic turning knob. These stands will accommodate any cylinder from 9" to 9 1/2" in diameter.



CBR-STAND
Height: 12.5"
Depth: 18"
Width: 18"
Weight: 13 lbs.
Cylinder Capacity: 1

Large Single Cylinder Stand

Part #	Description	1+	3+
CBR-STAND	Large Single Cylinder Stand	47.79	40.95

Accessories & Replacement Valves

VALVE QUICK TURN TOOL

Use Quick Turn in your filling operation for hard to open valves. This device works on all major brand valves.

OPPORTUNITY FOR RESALE TO

- Labs • Specialty Gas Accounts • Hospitals
- Balloon Helium Accounts

*Quick
Turn
Valve
Tool
Opens
and
Closes
Valve
Fast*



Part #	Description
CV-QT	Valve Quick Turn Tool

FOR VALVES – VALVE OPENING & CLOSING SOCKET



*Use
with 3/8
Angle
Air Wrench*

Power Tool Attachment is used for fast opening and closing of valve.

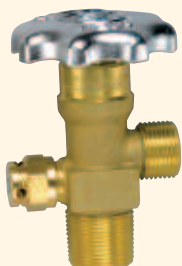
* Air tool not included

Part #	Price
CV-OC	59.95



Part # CV-OC

VALVES FOR STEEL CYLINDERS



CO₂ NGT Tapered Thread Valves

Part #	Description
RVB-320A-3000S	3/4" NGT Brass CO ₂ Valve, 3000 PSI
RVB-320F-3000S	1/2" NGT Brass CO ₂ Valve, 3000 PSI
RVB-320D-3000S	1" NGT Brass CO ₂ Valve, 3000 PSI

Nitrogen NGT Tapered Thread Valve

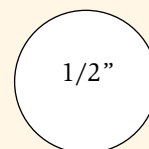
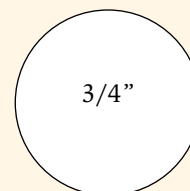
Part #	Description
RVB-580A-3360S	3/4" NGT Brass Nitrogen Valve, 3360 PSI

- Reliable Pressure Seal Construction
- Easy Operating
- Low-torque shut-off

STEEL VALVES

Stand Valve on Proper Ring Below

For
Steel
Cylinders
1"
NGT Tapered
Threads



Steel Cylinder Size
2 1/2#, 5#, 10#
20#, 30#
50#

Thread Size
1/2"
3/4"
1"

VALVES FOR ALUMINUM CYLINDERS



UNF Straight Thread Cylinder Valves

Nitrogen UNF Straight Thread Without Ring

Part #	Description
RVB-580G-3360S	1.125" UNF Straight Thread Nitrogen Valve, 3360 PSI

CO₂ UNF Straight Thread Without Ring

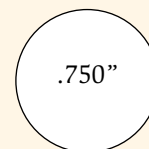
Part #	Description
RVB-320G-3000S	1.125" UNF Brass CO ₂ Valve, 3000 PSI
RVB-320B-3000S	.750" UNF Brass CO ₂ Valve, 3000 PSI

All valves have as a standard feature a "Rupture Disc" safety device that provides controlled flow.

ALUMINUM VALVES

Stand Valve on Proper Ring Below

For
Aluminum
Cylinders
1.126"
UNF Straight
Threads



Aluminum Cylinder Size
2 1/2#
All other CO₂

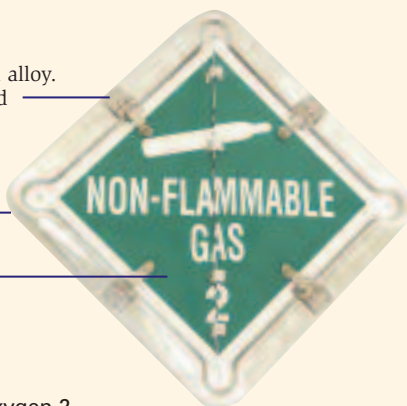
Thread Size
.750"
1.126"

Truck Placards and Straps

PLACARD SYSTEMS

PRODUCT FEATURES

- Placard panels are constructed of aluminum alloy. Panels lock in place with four double-riveted stainless steel pressure fasteners.
- Frames are constructed of corrosion-resistant, fully formed rigid aluminum in bright mill finish.
- Legends are silkscreened with UV inks to retard fading, chipping and peeling.



PLACARDS AVAILABLE

PLK-1 Contains

Flammable Gas 2, Non-Flammable Gas 2, Oxygen 2, Inhalation Hazard 2, Toxic Gas 2, Dangerous When Wet 4, Poison 6, Corrosive 8, and Blank.

PLK-3 Contains Most Common Used

Flammable Gas 2, Non-Flammable Gas 2, Oxygen 2, and Blank.

Part #	Description	1+	10+	48 & up
PLK-1	8 Legend Flip Placard System w/Solid Frame	37.08	32.96	29.77
PLK-3	3 Legend Flip Placard System w/Solid Frame	21.63	19.52	18.49

REMOVABLE VINYL PLACARD

Removable Vinyl (R) Style Placard with Hazard Class printed on Placard

Fits in PLK-2 Holder



Subsidiary Risk Hazardous Material Placards

Part #	Description	1+	25+
PLK-NFlam2-R	Non-Flammable Gas 2	2.63	2.32
PLK-Flam2-R	Flammable Gas 2	2.63	2.32
PLK-Toxic2-R	Toxic Gas 2	2.63	2.32
PLK-Inhal2-R	Inhalation Hazard 2	2.63	2.32
PLK-Oxy2-R	Oxygen 2	2.63	2.32
PLK-Oxidiz5.1-R	Oxidizer 5.1	2.63	2.32
PLK-Corrosive8-R	Corrosive 8	2.63	2.32

STRAPS AND CHAINS

SPECIFICATIONS

- 12' or 20' lengths
- 12 inch chain extensions
- Spring loaded with ratchet and trigger
- 10,000 lb. webbing



TS-20 Style Restraint



Standard Strap and Chain End

Part # TS-20

Flat Hook Option
in Place of
Chain Extension



Custom length available. Please call for a quote.

Ratchet Restraint's Complete Units

Part #	Description	1+	5+	10+
TS-12	Strap and Chain - 12 feet	48.12	43.20	40.28
TS-20	Strap and Chain - 20 feet	68.50	61.70	57.77

* For custom lengths, specify overall length and length of chain extensions.

E-TRACK RESTRAINT

SPECIFICATIONS

- 12' or 20' lengths
- Custom made lengths available
- E-Fitting and connections
- Spring loaded with ratchet and trigger
- 10,000 lb. webbing
- These straps are rated at one-third (1/3) of the minimum breaking strength.



E-track

E-Track Restraint

Part #	Description	1	5+
TS-E12	12' E-Track Strap, Standard	28.83	26.41
TS-E20	20' E-Track Strap, Standard	34.59	31.75
Standard strap is rated at 10,000 lbs. and has a working load limit of 3,000 lbs.			
TS-E12-HD	12' E-Track Strap, Heavy Duty	34.10	31.20
TS-E20-HD	20' E-Track Strap, Heavy Duty	41.10	37.72
Heavy-duty strap is rated at 12,000 lbs. and has a working load limit of 4,000 lbs.			

Do not exceed rated Capacity.

CYLINDER CONNECTIONS

*For Permanent Leak Proof
Cylinder Connection*

CARBON DIOXIDE

- Hand Tight Lasts for Life of Valve
- Self-Sealing Connections Designed for Leak-Proof Dependability
- No Service Calls



Stems – 103 SF
2 1/2" - 1/4"
pipe
Part #
CC1-Stem



Seals – Permanent
ABC Units
Part # CC-1



Seals – Unattachable
UBC Units
Part # CC-2



Grip-Nut 103N
Part # CC1-Nut



CO₂ VALVE CONVERSION KIT



Part # CC-1Kit

Converts in 2 Minutes!

For aligning and tapping special thread into valve outlet, so that the Ring-Seal 3 piece insert Unit can be screwed in. The kit makes this simple and easy, **while the valve stays on the cylinder**. The chips are blown out by the gas in the cylinder.

KIT INCLUDES:

Special Drill
(needed only on some valves)
Special Tap
Guide Collar
Grip Nut
Ring Grip Wheel
Special Tag Handle
Allen Driver
Thread Chaser
Tool Box
Instructions

CO₂ PLUG

Colors Available include:

- Blue
- Red
- Green
- Orange



CO₂ Dust
Cover



CO₂ Plug

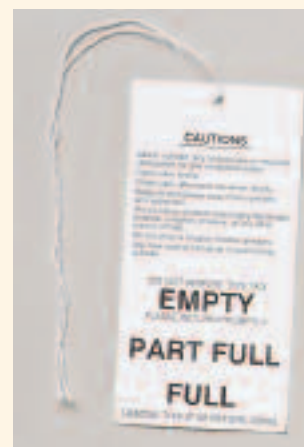
Part #	Description	2+ Pkg. of 1,000	1+ Pkg. of 1,000	Pkg. of 100
PM-C12PK1000	Dust Cover & Strap for CO ₂	1,000 to a pack	1,000 to a pack	(Pt # PM-C12PK100)

Custom Logo Available

SMALL CYLINDER STATUS TAGS



Economy
Paper
Tags



Part # CB-EPT

Descr	Part # for 1,000 Package	1+ Pkg. of 1,000	Part # for 100 Package	5+ Pkg. of 100	1+ Pkg. of 100
String Tie	CB-EPTPK1000 Pack of 1,000	7¢ ea. pc. 1,000 to a pack	CB-EPTPK100 Pack of 100	8¢ ea. pc. 100 to a pack	10¢ ea. pc. 100 to a pack
Elastic Tie	CB-1EPTIPK1000 Pack of 1,000	8¢ ea. pc. 1,000 to a pack	CB-1EPTIPK100 Pack of 100	9¢ ea. pc. 100 to a pack	11¢ ea. pc. 100 to a pack

Custom Print Status Tags Available

TEFLON SEALS

For CO₂



Teflon Seals



Part #	10+ Pkg. of 100	1+ Pkg. of 100
CO2-TWSEALPK100	100 to a pack	100 to a pack
Part #	5+ Pkg. of 10	1+ Pkg. of 10
CO2-TWSEALPK10	10 to a pack	10 to a pack

LEAK DETECTOR

*All Temperature
Leak Detector*

- All temperature formula:
-55° to 200° F
(-48° C to 93° C)
- Ultra-sensitive – long-lasting bubbles
- Florescent for improved visibility
- **Safe for oxygen**
- Non-corrosive, non-toxic



Leak Detectors

Part #	Description	Size
LC-FS	Spray Bottle	1 Quart
LC-FG	Leak Detector	1 Gallon

PIGTAIL – INERT 580 TEFLON® LINED STAINLESS STEEL BRAIDED PIGTAILS



Manifold
Hoses

OUTLET



1/4" NPT Female

INLET



1/4" NPT Female

OUTLET



1/4" NPT Female

INLET



1/4" NPT Male

STANDARD

These teflon core pigtails surpass the requirements of CGA E.9. Each pigtail is pressure tested on 1 1/2 times working pressure of 3,000 PSI.



Standard Hose

Hose Length	Part #
24"	FP-24F14
36"	FP-36F14
48"	FP-48F14
72"	FP-72F14
10'	FP-10F14
20'	FP-20F14

Standard Hose

Hose Length	Part #
24"	FP-24F14M14
36"	FP-36F14M14
48"	FP-48F14M14
72"	FP-72F14M14
10'	FP-10F14M14
20'	FP-20F14M14

SAFETY PIGTAIL

The Stainless Steel Armor Casing allows free movement of the hose and protects the hose from damage. The Stainless Steel Armor Casing also provides anti-kink and anti-whip protection.



With Armor Casing Anti-Kink, Anti-Whip

Hose Length	Part #
24"	FP-A-24F14
36"	FP-A-36F14
48"	FP-A-48F14
72"	FP-A-72F14
10'	FP-A-10F14
20'	FP-A-20F14

With Armor Casing Anti-Kink, Anti-Whip

Hose Length	Part #
24"	FP-A-24F14M14
36"	FP-A-36F14M14
48"	FP-A-48F14M14
72"	FP-A-72F14M14
10'	FP-A-10F14M14
20'	FP-A-20F14M14

CGA FITTINGS FOR GAS

CGA-320*

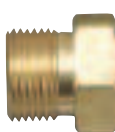
Carbon
Dioxide



Nut Pt # CGA-320Nut
Nipple Pt # CGA-320Nipple

CGA-580*

Argon /
Helium /
Nitrogen



Nut Pt # CGA-580Nut
Nipple Pt # CGA-580Nipple

Plastic Hand Tight



Pt # PH-580 CGA 580
Pt # PH-320 CGA 320

Matching Nipple for
CGA Hand Tight

Pt # PH-580Nipple
Pt # PH-320Nipple

Brass Hand Tight



Pt # BH-580 CGA 580
Pt # BH-320 CGA 320

Matching Nipple for
CGA Hand Tight

Pt # BH-580Nipple
Pt # BH-320Nipple

REPLACEMENT TIPS and WASHERS

For PH-580Nipple

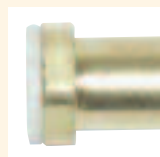


CGA
580
Inert Gas

Pt # PH-580-NRPK10
Nipple Replacement Tip

(use Pt # PH-580-ORPK10
for 580 Nipples that
require O-Rings)

For PH-320Nipple

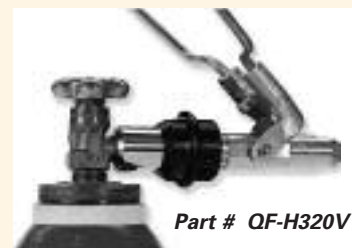


CGA 320
Carbon
Dioxide

Pt # PH-320-WPK10
Replacement Washer

CGA FILL PLANT GAS CONNECTORS

For CO₂



Part # QF-H320V

CGA Standard Model

320 Female With Venting Valve

Pressure Rating

2100 PSI

PRODUCT FEATURES

- Combination CGA 320 connector and venting valve
- Venting valve actuator handle opens and shuts flow of CO₂ supply source by movement of handle forward and back
- 1/4" NPT female termination port mates to 1/4" male connection on venting valve
- Weight 32 oz.

High Pressure CO₂ Filling Supplies

TEFLON PASTE and TAPE

*Oxygen Safe,
Chemically
Inert, and
Odor Free*

FORMULA-8 is used by thousands of welding and general supply companies and equipment manufacturers worldwide.



Teflon Tape

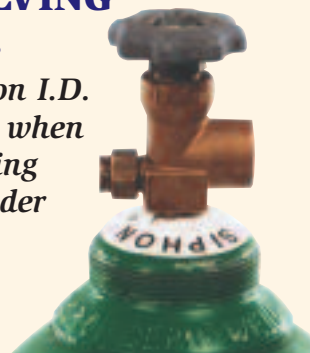


Teflon Paste

Part #	Description
Tape-1	1/4" Teflon Tape
Tape-2	1/2" Teflon Tape
Tape-34	3/4" Teflon Tape
Tape-3	1" Teflon Tape
Oxy-Teflon 8	Teflon Paste

CYLINDER VALVING I.D.

*Put on I.D.
Disk when
valving
cylinder*



Custom imprints available



Part # CV-S1



Part # CV-DT



Part # CV-WG



Part # CV-CC

CYLINDER BOOT FOR CO₂

Cylinder Boot

The Cylinder Boot is made out of black molded plastic.

Slip onto round bottom CO₂ tanks to convert to upright standing cylinders.



Part # CO2-CDB-07

Octagon style is designed to keep cylinder from rolling

VALVE SHRINK WRAP



Shrink Wrap

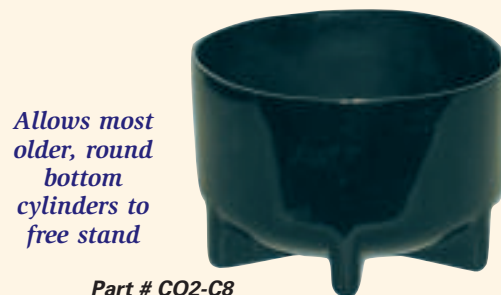
Fits most valve sizes and CGA's.
(CGA 510, 540, 580, 320, 350 and more)



*Valve Wrap – No Imprint
Part # SW-0*

Large Valve

Part #	Description	Perforation	25+ Pkg. of 200	5+ Pkg. of 200	1+ Pkg. of 200
FULL IMPRINTED					
SW-OFPK200	Full Imprint-White Material	Vertical	10¢ ea. pc. 200 to a pack	14¢ ea. pc. 200 to a pack	21¢ ea. pc. 200 to a pack
SW-OCFPK200	Full Imprint-Clear Material	Vertical	10¢ ea. pc. 200 to a pack	13¢ ea. pc. 200 to a pack	16¢ ea. pc. 200 to a pack
NON IMPRINTED					
SW-OPK200	White Material	None	9¢ ea. pc. 200 to a pack	13¢ ea. pc. 200 to a pack	19¢ ea. pc. 200 to a pack
SW-OCPK200	Clear Material	Vertical	9¢ ea. pc. 200 to a pack	13¢ ea. pc. 200 to a pack	19¢ ea. pc. 200 to a pack

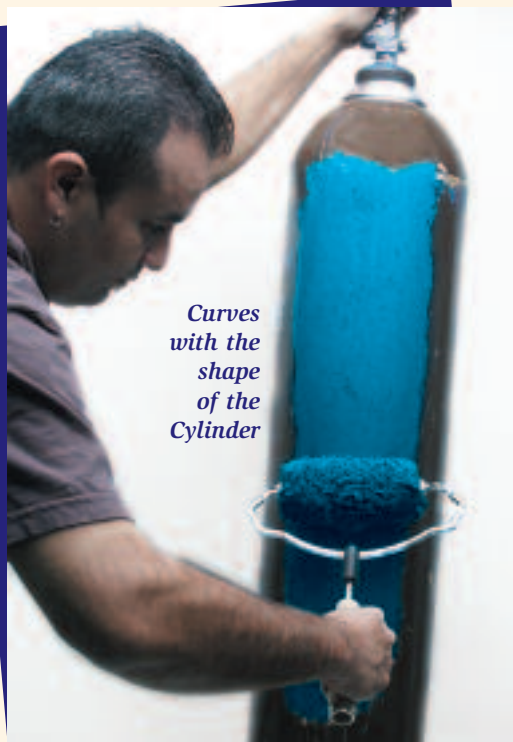


Part # CO2-C8

Allows most older, round bottom cylinders to free stand

Part #	Description
CO2-CDB-07	7.25" Cylinder Boot, Octagonal Rim for Aluminum Cylinders
CO2-CDB-R7	7.25" Cylinder Boot, Round Rim for Aluminum Cylinders
CO2-CDB-O8	8" Cylinder Boot, Octagonal Rim for Aluminum Cylinders
CO2-CDB-7LP	7.25" Boot for Steel Cylinders
CO2-CDB-8204LP	8"/204mm Boot for Steel Cylinders
CO2-C8	Molded Plastic Boot

CYLINDER PAINT



*Curves
with the
shape
of the
Cylinder*

To Order

Paint Name	Part #
Brilliant White	RP185
Brown	RP709
Aluminum Metallic	RP258

Cross Reference

Techstar Glosskote	Spatz	Watson Aquashield
7181	2181	852
7161	2161	1045
7175	2175	312

PLEASE CALL FOR OTHER PAINT COLORS AVAILABLE.

CYLINDER PAINT ACCESSORIES

- Replacement Rollers
- Springs
- Nuts
- Paint Screw for Roller
- Cover for Paint Bucket



Replacement
Roller, Handle
and Roller
Cover

Part #
RP-HROLLER



Part # RP-NUTS



5 Gallon
Paint



Part #
RP-RCOVER

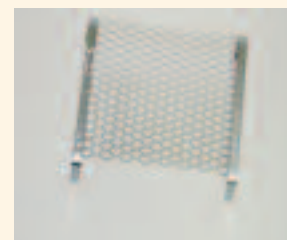


Part # RP-RSPRINGS



Part # CYL-PSHIELD

Shield the shoulder of the tank from overspray when painting cylinder collars.



Part # RP-5BGRID

HIGH PRESSURE CYLINDER CAPS

Number of threads per inch for
Fine is 11 threads to an inch and
Coarse is 7 threads to an inch.
Cap I.D. is 3 1/4"

*Caps Unpainted
6 1/2" - 3 1/8-11*



Unpainted

Part #	Description	3+ Case	1+ Case	1+
8FRNP	Fine Thread	2.75	2.85	3.25
8CRNP	Coarse Thread	2.75	2.85	3.25

Painted - Fine Thread Most Common

Part #	Color	3+ Case	1+ Case	+1
8FRNP-08	White	3.44	3.61	4.06
8FRNP-02	Black	3.44	3.61	4.06
8FRNP-06	Gray	3.44	3.61	4.06

Painted - Coarse Thread

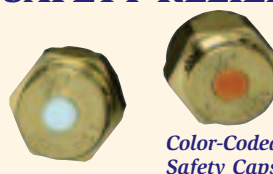
Part #	Color	3+ Case	1+ Case	+1
8CRNP-08	White	3.44	3.61	4.06
8CRNP-02	Black	3.44	3.61	4.06
8CRNP-06	Gray	3.44	3.61	4.06



*Caps Painted Black
6 1/2" - 3 1/8-11*

**24 Pieces to a
Case Pricing
Per Each*

REPLACEMENT SAFETY RELIEFS



*Color-Coded
Safety Caps*

Replacement Brass Safety Reliefs
- Industrial Valve

Part #	Description
RVR-3000S	650-19NS, 3000 psi
RVR-3360S	650-19NS, 3360 psi
RVR-3775S	650-19NS, 3775 psi
RVR-4000S	650-19NS, 4000 psi

CAP REMOVER

**Fast
Cap
Tool**



Speed up your filling operation with the Fast Cap Tool. The power tool attachment for cylinder caps.

Part #	Description
CC-CR38	3/8" Drive Full Unit Cap Remover Tool



Pt # C1-NOO

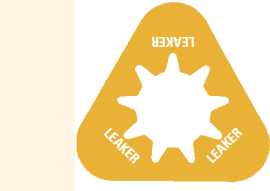


Pt # C1-NSB

NEW STYLE I.D. COLLARS

C1-N Specialty Collars Available in Packs of 10 & 50

Part #	Specialty Collar	Color	10+ Pkg. of 50	5+ Pkg. of 50	2+ Pkg. of 50	1+ Pkg. of 50	Pkg. of 10
C1-NOOPK50	Out of Hydro	Orange	88¢ ea. pc. 50 to a pack	92¢ ea. pc. 50 to a pack	96¢ ea. pc. 50 to a pack	99¢ ea. pc. 50 to a pack	(Pt # C1-OOPK10) \$12.37 Pk.
C1-NLRPK50	Leaker	Yellow	88¢ ea. pc. 50 to a pack	92¢ ea. pc. 50 to a pack	96¢ ea. pc. 50 to a pack	99¢ ea. pc. 50 to a pack	(Pt # C1-LRPK10) \$12.37 Pk.
C1-NSBPK50	Shot Blast	Gray	88¢ ea. pc. 50 to a pack	92¢ ea. pc. 50 to a pack	96¢ ea. pc. 50 to a pack	99¢ ea. pc. 50 to a pack	(Pt # C1-SBPK10) \$12.37 Pk.
C1-NRRPK50	Revalve	Blue	88¢ ea. pc. 50 to a pack	92¢ ea. pc. 50 to a pack	96¢ ea. pc. 50 to a pack	99¢ ea. pc. 50 to a pack	(Pt # C1-RRPK10) \$12.37 Pk.
C1-NPNPK50	Paint	Brown	88¢ ea. pc. 50 to a pack	92¢ ea. pc. 50 to a pack	96¢ ea. pc. 50 to a pack	99¢ ea. pc. 50 to a pack	(Pt # C1-RSPK10) \$12.37 Pk.



Pt # C1-NLR



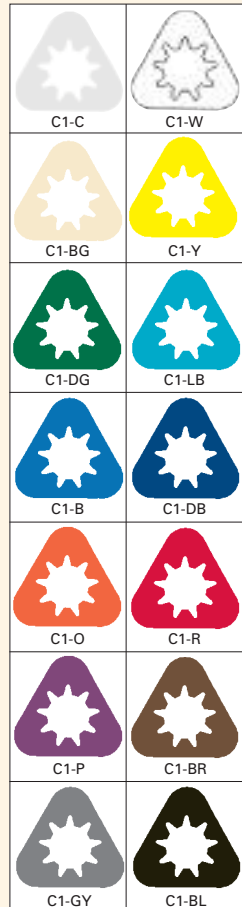
Pt # C1-NRR



Pt # C1-NPN

TRIANGULAR COLLARS MOST POPULAR

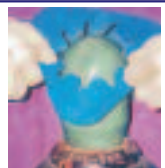
Standard Collar Colors



For 80 cu. ft. through 330 cu. ft. Cylinders



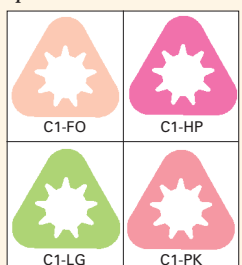
You can write on all three corners and it's easy to pull over!



Standard Collar Colors – Packs of 10 or 50

Pt # Pkg. of 50	Color	Pt # Pkg. of 10
C1-CPK50	Semi Clear	(Pt # C1-CPK10)
C1-WPK50	White	(Pt # C1-WPK10)
C1-BGPK50	Beige	(Pt # C1-BGPK10)
C1-YPK50	Yellow	(Pt # C1-YPK10)
C1-DGPK50	Dark Green	(Pt # C1-DGPK10)
C1-LBPK50	Light Blue	(Pt # C1-LBPK10)
C1-BPK50	Blue	(Pt # C1-BPK10)
C1-DBPK50	Dark Blue	(Pt # C1-DBPK10)
C1-OPK50	Orange	(Pt # C1-OPK10)
C1-RPK50	Red	(Pt # C1-RPK10)
C1-PPK50	Purple	(Pt # C1-PPK10)
C1-BRPK50	Brown	(Pt # C1-BRPK10)
C1-GYPK50	Gray	(Pt # C1-GYPK10)
C1-BLPK50	Black	(Pt # C1-BLPK10)

Special Collar Colors

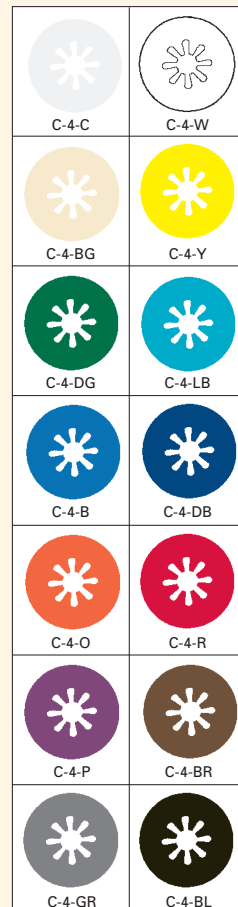


Special Collar Colors – Packs of 10 or 50

Part # for Pkg. of 50	Special Color	Part # for Pkg. of 10
C1-FOPK50	Florescent Orange	(Pt # C1-FOPK10)
C1-HPPK50	Hot Pink	(Pt # C1-HPPK10)
C1-LGPK50	Lime Green	(Pt # C1-LGPK10)
C1-PKPK50	Pink	(Pt # C1-PKPK10)

C-4 COLLARS

Standard Collar Colors



“Non-Cap” Style Valve Collar

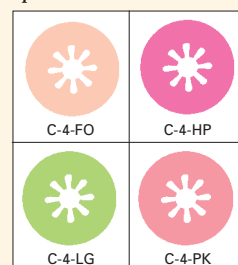
- Pulls over valve handle to mark and identify cylinder.
- Easy to remove but won't fall off.



Standard Collar Colors – Packs of 10 or 50

Pt # Pkg. of 50	Color	Pt # Pkg. of 10
C-4-CPK50	Semi Clear	(Pt # C-4-CPK10)
C-4-WPK50	White	(Pt # C-4-WPK10)
C-4-BGPK50	Beige	(Pt # C-4-BGPK10)
C-4-YPK50	Yellow	(Pt # C-4-YPK10)
C-4-DGPK50	Dark Green	(Pt # C-4-DGPK10)
C-4-LBPK50	Light Blue	(Pt # C-4-LBPK10)
C-4-BPK50	Blue	(Pt # C-4-BPK10)
C-4-DBPK50	Dark Blue	(Pt # C-4-DBPK10)
C-4-OPK50	Orange	(Pt # C-4-OPK10)
C-4-RPK50	Red	(Pt # C-4-RPK10)
C-4-PPK50	Purple	(Pt # C-4-PPK10)
C-4-BRPK50	Brown	(Pt # C-4-BRPK10)
C-4-GYPK50	Gray	(Pt # C-4-GYPK10)
C-4-BLPK50	Black	(Pt # C-4-BLPK10)

Special Collar Colors



Special Collar Colors – Packs of 10 or 50

Part # for Pkg. of 50	Special Color	Part # for Pkg. of 10
C-4-FOPK50	Florescent Orange	(Pt # C-4-FOPK10)
C-4-HPPK50	Hot Pink	(Pt # C-4-HPPK10)
C-4-LGPK50	Lime Green	(Pt # C-4-LGPK10)
C-4-PKPK50	Pink	(Pt # C-4-PKPK10)

Cylinder Management

CUSTOM IMPRINTED RING TAGS

Two Sided Tags Are Most Popular

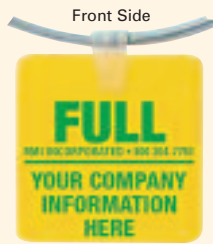
When the cylinder becomes empty simply lift the ring over valve, flip ring over and drop it back over the cap – now it is ready for refilling.

Custom Imprint

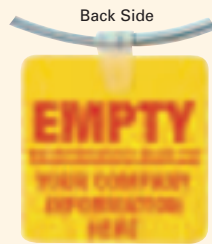
We will imprint your company information at no charge less a one time plate charge.

Suggested Wording: To reorder call, Your Company Name, Phone Number, and/or address.

Two Sided Tag – Full / Empty



Yellow Tag
(FULL Side Printed Green)



Yellow Tag
(EMPTY Side Printed Red)

One Unit Includes Ring, Tag, Assembly and Personalized Imprinting

5" Diameter Ring and Tag for 330 cu. ft. through 40 cu. ft. cylinder

Part #	Description	Retail	Distributor Net				
			2000	1000	500	250	150
T-35	Full/Empty	\$1.45	76¢	81¢	87¢	92¢	\$1.09
T-335	3" Ring Full/Empty	\$1.45	76¢	81¢	87¢	92¢	\$1.09

Cost is for one print color
Two or more colors at additional cost
Minimum Quantity for all custom imprint orders are:
2 colors is 500; 3 colors is 1,000; 4 colors is 2,500; 5 colors is 5,000
One time plate charge \$15.00.
If you want to use a logo instead, there is a \$30.00 plate charge.
Please provide camera-ready art.
Custom Print may have + or - 10% production.

PRE-PRINTED RING TAGS

NEED IT QUICK?

Need Full / Empty Tags Quick?

Can't Wait for Custom Print?



Part # T-345



Part # T-45

Place an order for Custom Print and order what you need of Pre-Print. We will extend pricing based on catalog volume pricing.

Order Custom Print – YOUR name on the tag brings customers to **YOU!**

Pre-Printed Full/Empty Ring Tags Off the Shelf

Pre-Printed Full / Empty Rings & Tags



Part # T-45

Pre-Printed Full/Empty Ring Tags

Desc	Part #	10+ Pkg. of 25	2+ Pkg. of 25	1+ Pkg. of 25	Part #	1+ Pkg. of 10
5" Ring & Tag	T-45PK25	89¢ ea. pc. 25 to a pk	95¢ ea. pc. 25 to a pk	\$1.45 ea. pc. 25 to a pk	T-45PK10	\$15.95 a pack
3" Ring & Tag	T-345PK25	89¢ ea. pc. 25 to a pk	95¢ ea. pc. 25 to a pk	95¢ ea. pc. 25 to a pk	T-345PK10	\$15.95 a pack

WORKPLACE SAFETY

OSHA DANGER SIGNS – Plastic 14" wide x 10" high



SD-HNS-1410P



SD-KPCYLCND-1410P



SD-NITRO-1410P



SD-NS-1410P



SD-NS50FT-1410P



SP-810



SP-811



SD-NSOTP-1410P



SD-ACETYLENE



SD-OXYGEN-1410P



SD-PROPANE-1410P



SD-NSBTP-1410P



SD-NSOFOIU-1410P

Part #	Description	1+	5+	12+
SD-HNS-1410P	Danger Sign – H2 No Smoking	22.30	18.95	17.36
SD-KPCYLCND-1410P	Danger Sign – Keep All Cylinders Chained	22.30	18.95	17.36
SD-NITRO-1410P	Danger Sign – Nitrogen	22.30	18.95	17.36
SD-NS-1410P	Danger Sign – No Smoking	22.30	18.95	17.36
SD-NS50FT-1410P	Danger Sign – No Smoking Within 50 Feet	22.30	18.95	17.36
SD-NSBTP-1410P	Danger Sign – No Smoking Beyond This Point	22.30	18.95	17.36
SD-NSOFOIU-1410P	Danger Sign – No Smoking Open Flame – CO2 In Use	22.30	18.95	17.36
SD-NSOTP-1410P	Danger Sign – No Smoking On Premises	22.30	18.95	17.36
SD-OXYGEN-1410P	Danger Sign – Oxygen	22.30	18.95	17.36
SD-PROPANE-1410P	Danger Sign – Propane	22.30	18.95	17.36
SD-ACETYLENE	Danger Sign – Acetylene	22.30	18.95	17.36
SD-CI	Custom Danger Signs	35.00	25.50	19.86
SET-SIGN	Set Up Charge for SD-CI	20.00		
SP-810	Empty Pre-Printed Storage Sign 8 1/2" x 11"	6.13		
SP-811	Full Pre-Printed Storage Sign 8 1/2" x 11"	6.13		



LIQUID CYLINDER PRESSURE RELIEF VALVE

Addresses Noise Reduction Needed for Pressure Relief

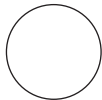
New Generant Liquid Cylinder Pressure Control/Relief Valve is designed exclusively for use on DOT 4L Cryogenic Liquid Cylinders. Dramatically reduces the **NOISE** associated with traditional cylinder relief device discharge. Under normal operating conditions it optimizes cylinder performance by venting only what is required to maintain cylinder pressure in a tight band. In the event that circumstances demand, it has adequate flow capacity to insure safety, meeting all industry and regulatory requirements.

FEATURES AND BENEFITS

- Designed exclusively for use on DOT 4L Liquid Cylinders
- **Eliminates disruptive “pop”** historically associated with traditional cylinder relief devices
- Incorporates the customer proven “Dirt Guard” poppet
- Accurately maintains and controls cylinder pressure minimizing product loss
- Exceeds industry and regulatory flow capacity requirements
- Complies with OSHA sound level regulations
- Extensively field qualified
- OEM approved and endorsed
- Cleaned and packaged for Oxygen service standards

TO DETERMINE THREAD SIZE

Match up outside thread base to scale below to confirm diameter



For 1/4" MNPT

If you have this size of thread – Call for Other Styles and Sizes Available

For 1/2" MNPT

To Order –

Part #	Pressure Setting
LPR-22	22 PSI
LPR-35	35 PSI
LPR-50	50 PSI
LPR-75	75 PSI
LPR-100	100 PSI
LPR-125	125 PSI
LPR-150	150 PSI
LPR-175	175 PSI
LPR-200	200 PSI
LPR-230	230 PSI
LPR-235	235 PSI
LPR-350	350 PSI
LPR-375	375 PSI
LPR-400	400 PSI
LPR-425	425 PSI
LPR-450	450 PSI
LPR-500	500 PSI

1/4" NPT
22 - 500 Psig



MATERIALS OF CONSTRUCTION

Component	Valve Body Material	
Valve Body, Poppet, Spring Retainer and Screen	Brass, ASTM B16	
Spring	302 SS/17-7 PH ASTM A313	
Seal	Fluorosilicon 22 to 49 Psig	CTFE 50 to 500 Psig
Label	.004 Thick Mylar	

REGO VALVE REBUILD KITS

Individually Packaged – Cleaned For Oxygen Service

Part #
VR-RBK1



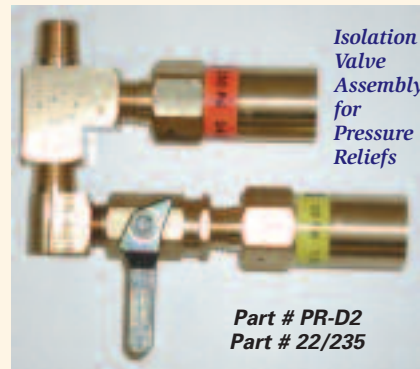
< Parts included in the Rego Valve Rebuild Kit

Rego Valve Rebuild Kit

Part #	Description
VR-RBK1	Valve Rebuild Kit



DUAL RELIEF KIT



Part # PR-D2
Part # 22/235

Isolation Valve Assembly for Pressure Reliefs

Dual Relief Kit with Pressure Relief

Part #	Description
PR-D2 22/235	22 PSI/235 PSI
PR-D2 50/235	50 PSI/235 PSI
PR-D2 100/235	100 PSI/235 PSI
PR-D2 22/350	22 PSI/350 PSI
PR-D2 50/350	50 PSI/350 PSI
PR-D2 100/350	100 PSI/350 PSI

*Some assembly required



Use for quick conversion – from high pressure to low pressure.

Do not exceed the manufacturers pressure rating the vessel is designed for.

Always use Higher Pressure Safety as the primary and Lower Pressure Safety as the default.

BURST DISCS



Burst Disc

Pressure Rupture Discs are Packaged, Cleaned and Tagged for Oxygen Service



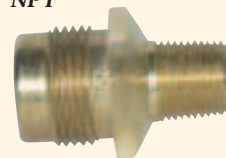
Burst Disc

Part #	Specifications	PSIG*	Dot 4L#
BD-22	175 PSIG @ 72° F MFG Range 168-187 PSIG @ 72° F	22	100-150
BD-235	350 PSIG @ 72° F MFG Range 336-375 PSIG @ 72° F	235	200-2
BD-350	500 PSIG @ 72° F MFG Range 480-535 PSIG @ 72° F	350	292
BD-500	670 PSIG @ 72° F MFG Range 665-700 PSIG @ 72° F	500	412

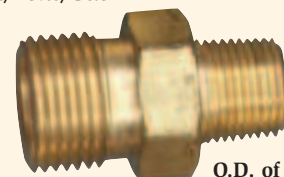
* Maximum vessel working pressure

CARBON DIOXIDE DEWAR FITTINGS

CGA 622 x 3/8" NPT
Liquid & Gas



CGA 320 x 3/8" NPT
Liquid/Vent/Gas



O.D. of Hex
7/8" Inch

Part #	Description
CGA-32038	Carbon Dioxide 3/8" NPT*
CGA-32014	Carbon Dioxide 1/4" NPT
CGA-32012	Carbon Dioxide 1/2" NPT
CGA-62238	Carbon Dioxide 3/8" NPT

* Most common

GAUGES FOR DEWAR – REAR MOUNT PRESSURE GAUGES



Part # PG-400

Gauges are bagged and tagged for oxygen service and comply with the requirements of ASME B40.1 Level 1V clean lines.



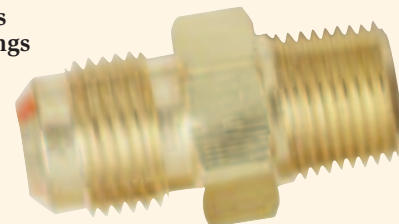
*1/4" NPT
Rear Mount Pressure Gauges*

Part #	Description
PG-100	0-100 PSI
PG-400	0-400 PSI
PG-600	0-600 PSI

Packaged Gauge

INERT DEWAR FITTINGS

Brass
Fittings



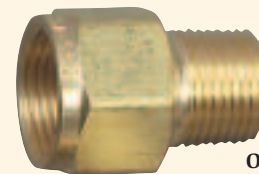
CGA 295 x 3/8" NPT
Argon & Nitrogen
Liquid & Vent

O.D. of Hex
7/8" Inch

Part #	Description
* CGA-29538	Inert Vent & Liquid 3/8" NPT
CGA-29514	Inert Vent & Liquid 1/4" NPT
CGA-29512	Inert Vent & Liquid 1/2" NPT

* Most common

CGA 580 x 3/8" NPT
Gas

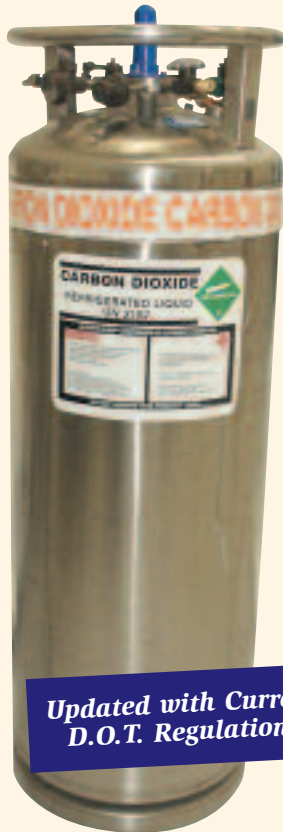


O.D. of Hex
1 1/8" Inches

Part #	Description
* CGA-58038	Inert Gas 3/8" NPT
CGA-58014	Inert Gas 1/4" NPT
CGA-58012	Inert Gas 1/2" NPT

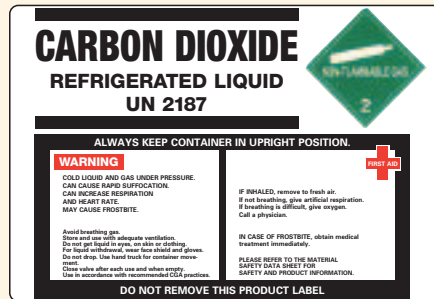
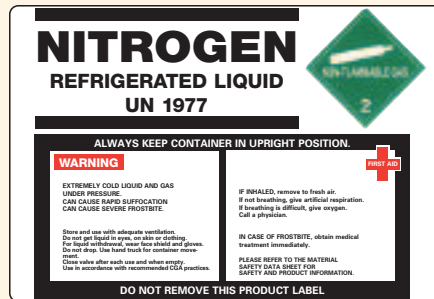
* Most common

Liquid – Dewar Parts



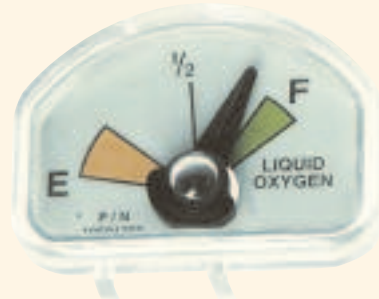
DEWAR LABELS

• Size 9 1/2 x 14 inches



Part#	Description	25+	1+
DB-N	NITROGEN	\$4.48	\$4.75
DB-CO2	CO ₂	\$4.48	\$4.75

MVE/CHART DURA-CYL MCR SERIES – High Pressure



*Liquid Level Indicator Gauge

Pt # LL-R

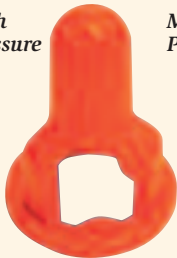
- # LL-RN = Nitrogen
- # LL-RO = Oxygen
- # LL-RA = Argon
- # LL-RCD = CO₂
- # LL-RNO = N₂O

*For tanks built before 1-1-95 use the following part numbers for Liquid Level Gauges:

- # LL-OS-RN = Nitrogen
- # LL-OS-RO = Oxygen
- # LL-OS-RA = Argon
- # LL-OS-RCD = CO₂
- # LL-OS-RNO = N₂O

PLASTIC GAUGE PROTECTORS

High Pressure



Sight Gauge Protector
Part # SGP-RO

Medium Pressure



Sight Gauge Protector
Part # SGP-RB

High Pressure



Float Sight Gauge Protector
Part # SGP-FO

Medium Pressure



Float Sight Gauge Protector
Part # SGP-FB

TAYLOR WHARTON STYLE CYLINDER



Liquid Level Indicator Gauge

Pt # LL-TW

- # LL-TW-RN = Nitrogen
- # LL-TW-RO = Oxygen

Kit Converts Old Style to New Style Liquid Level Gauge

LARGE LIQUID CYLINDER TRUCKS

Model Number CBR-LCT universal liquid cylinder trucks are designed for handling heavy cryogenic liquid gas cylinders. The unique design of heavy-duty construction provides for the safe and easy handling of the most popular tanks on the market today. The Spring Loaded, pivoting hook assembly provides easy adjustment and positive placement of setting.

• Environmentally Safe Color Coatings

Large Liquid Cylinder Trucks

Part #	Description	1+	3+
CBR-LCT	Large Liquid Cylinder Truck	458.25	392.79



CBR-LCT

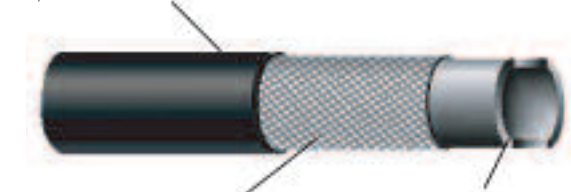
Height: 64" Depth: 40"
Width: 30" Weight: 76 lbs.
Wheel Dia: 16 x 4 Pneu. Tire
4 x 1.25 Swivel Casters

CO₂ HOSE PRODUCTS – HOSE PRODUCTS FOR CO₂ AND BEVERAGE APPLICATIONS

A fabric reinforced thermoplastic hose providing dynamic flexibility at extreme low temperatures

Ratermann Manufacturing, Inc. manufactures the world's finest high-pressure thermoplastic hose. **Series BEV** Low-Temp hose outperforms all other hose products intended for the transfer of liquid carbon dioxide.

Bonded Special Polyester
Perforated Cover



1 Layer of Polyester Fiber
Bonded to Tube

Seamless Special FDA
Polyester Tube

Ratermann Series BEV construction provides a flexible FDA grade hose even at very low temperatures.

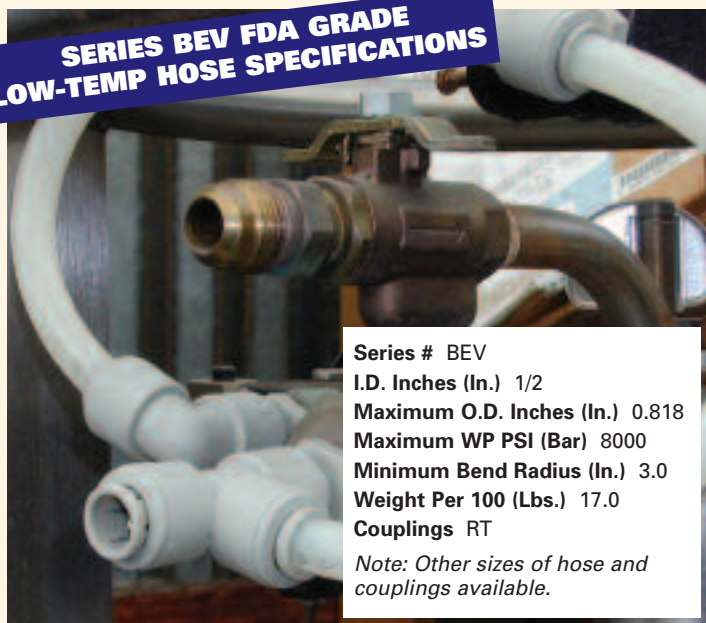
Series BEV is constructed using a special FDA grade polyester core compound, polyester reinforcing, and a special perforated gray polyester cover. All layers are bonded. Unlike standard thermoplastic SAE 100R7 spec hoses that become stiff and unwieldy when transferring low-temperature liquids, **Series BEV** remains flexible in liquid transfer as low as -65°F. The perforated cover avoids bubbling, a common problem with many thermoplastic hoses.

Series BEV is available on full 250 foot reels and along with the crimping system and bulk crimp couplings, is ideal for field fabrication. Coupled lengths are also available, including fill hose assemblies with vent hose attached. Use **Series BEV** for supply hose on reels installed on delivery vehicles and for connection from fill box to liquid cylinders.

Complete Assemblies

Part #	Description
BEV-10058FJIC	1/2" x 100 ft. w/ 5/8" FJIC Swivel Ends
BEV-7558FJIC	1/2" x 75 ft. w/ 5/8" FJIC Swivel Ends
BEV-6558FJIC	1/2" x 65 ft. w/ 5/8" FJIC Swivel Ends
BEV-5058FJIC	1/2" x 50 ft. w/ 5/8" FJIC Swivel Ends
BEV-3058FJIC-VT	1/2" x 30 ft. w/ 5/8" FJIC Swivel Ends, and polyethylene vent tube attached
BEV-2558FJIC-VT	1/2" x 25 ft. w/ 5/8" FJIC Swivel Ends, and polyethylene vent tube attached
BEV-1558FJIC-VT	1/2" x 15 ft. w/ 5/8" FJIC Swivel Ends, and polyethylene vent tube attached
BEV-1058FJIC-VT	1/2" x 10 ft. w/ 5/8" FJIC Swivel Ends, and polyethylene vent tube attached
BEV-558FJIC-VT	1/2" x 5 ft. w/ 5/8" FJIC Swivel Ends, and polyethylene vent tube attached

SERIES BEV FDA GRADE LOW-TEMP HOSE SPECIFICATIONS



Series # BEV
I.D. Inches (In.) 1/2
Maximum O.D. Inches (In.) 0.818
Maximum WP PSI (Bar) 8000
Minimum Bend Radius (In.) 3.0
Weight Per 100 (Lbs.) 17.0
Couplings RT

Note: Other sizes of hose and couplings available.



CO₂ Wall
Outlet

Bulk Crimp Couplings

Part #	Description
BEV-BCC	1/2" Hose x -10 (5/8) Female JIC Flare End

Crimping System

Part #	Description
BEV-CRIMPER	Crimper & Stand-Up Frame
BEV-HANDPUMP	Dual Stage Hand Pump for Crimper w/ .670 Die for 1/2" Hose

HOSE REEL

Hose Reel to be Installed on Liquid CO₂ Delivery Vehicles

BEV-REEL with 1/2" full-flow Super Swivel with low temp Buna seal and FDA grease. Spring retractable heavy duty painted reel will handle up to 100 feet of 1/2" hose. 3000 PSIG Rated.



Part # BEV-REEL

CO₂ Accessories

Assorted Flexible Tubing, Fittings, and Reels for all CO₂ Requirements

TUBING

Vent Hose

White polyethylene tubing,
1/2" O.D. x .062" wall, 135
PSIG W.P. – 100 ft. coil



Part # BEV-VT12WP

Clear Braided Tubing Series 1100

FDA rated.



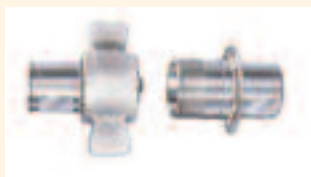
Clear Braided Tubing Series 1100

Part #	Description
BEV-VH14CB	1/4" I.D. 300 ft. coil
BEV-VH38CB	3/8" I.D. 300 ft. coil
BEV-VH12CB	1/2" I.D. 300 ft. coil

FITTINGS

Fill Gun Quick Connector / Dry Break Wing Nut Style

(Standard Buna-N seals are rated to -40° F.
Contact Ratermann for information on parts
with special order seals rated below -40° F.)



Part # BEV-FGQC

90 Degree Live Swivel for Connection to Hose Reel

(Plated steel construction
and -60°F low-temp
Buna-N seals, and FDA
grease.)



1/2" Male Pipe x 1/2"
Female Pipe

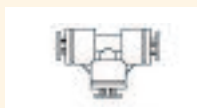
Part # BEV-LS90M12F12

Wall Box Nipple

w/ 6-Hole Flange Part # BEV-WBNIPPLE

Plastic Push-to-Connect Fittings for CO₂ Vessel Venting – 1/2" Tube O.D.

Union Tee
Part # BEV-UT



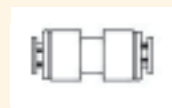
Stem Adapter
Part # BEV-SA



Union Elbow
Part # BEV-UE



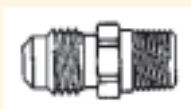
Union Connector
Part # BEV-UC



Male Connector
Part # BEV-MC



Brass Adapters



Part #	Description	Price
BEV-58M34M	5/8" Male JIC x 3/4" Male NPT	\$2.12 ea.
BEV-58M12M	5/8" Male JIC x 1/2" Male NPT	\$1.79 ea.
BEV-58M38M	5/8" Male JIC x 3/8" Male NPT	\$1.59 ea.
BEV-12M34M	1/2" Male JIC x 3/4" Male NPT	\$1.94 ea.
BEV-12M12M	1/2" Male JIC x 1/2" Male NPT	\$1.79 ea.
BEV-12M38M	1/2" Male JIC x 3/8" Male NPT	\$1.62 ea.

Brass Adapters



Part #	Description	Price
BEV-58M58MJIC	5/8" Male JIC x 5/8" Male NPT	\$3.29 ea.
BEV-12M12MJIC	1/2" Male JIC x 1/2" Male NPT	\$3.48 ea.

CO₂ PLUG AND SOCKET



Quick
Disconnect
for CO₂
Tank!

Male
Part #
CO2-MC



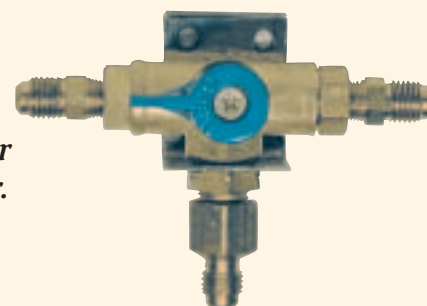
Female
Part #
CO2-FQ



LOW PRESSURE CHANGEOVER VALVE

Keep backup
supply ready for
fast changeover.

- Has 1/4" male flare
back check inlets,
and 1/4" male flare
outlet.
- Requires two CO₂
regulators.



Part #	Description
CO2-CV	Changeover Valve

Locations

• New Jersey • Tennessee • California

Payment Center

601 Pinnacle Place
 Livermore, California 94550

We also accept MasterCard, VISA,
 American Express and Discover.



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BALLOON REGULATORS

Balloon Blower

Balloon Blower rugged all 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.

- Plastic hand tight CGA 580 inlet connection with sintered bronze inlet filter
- 1 1/2" rear entry cylinder contents gauge (Model BLO-4-PHG)
- Weight
 without gauge: 1 lb. 6 oz.
 with gauge: 1 lb. 8 oz.



Part #	Inlet Connection	Inlet Gauge	Accessories	10+	1+
BLO-4-PH	CGA 580 Hand Tight	None	Available Separately	17.88	19.67
BLO-4-PHTS	CGA 580 Hand Tight	None	Tie Hook String Cutter	19.36	21.30
BLO-4-PHG	CGA 580 Hand Tight	1 1/2" 4000 PSI Rear Gauge	Available Separately	22.44	24.68
BLO-4-PHGTS	CGA 580 Hand Tight	1 1/2" 4000 PSI Rear Gauge	Tie Hook String Cutter	25.85	28.44

PH – Plastic Hand Tight T – Tie

ALUMINUM CYLINDER

Carry Handles

Plastic Valve Protection Carry Handles are available to fit Catalina® and Luxfer® brand aluminum cylinders. We stock carry handles and retaining rings for both manufacturers cylinders. For 15 and 20 lb. Aluminum cylinders. Can be installed without removing valve.

Part #	Description
CCH-AL-H	Luxfer Carry Handle
CCH-AL-R	Luxfer Retainer Ring
CCH-AC-H	Catalina Carry Handle
CCH-AC-R	Catalina Retainer Ring



Safety Conversion Kit

Handle and snap ring with steel cylinder adapter. Allows addition of plastic carrying handle to steel cylinders. Valve must be removed to install handle.

(Adapter comes with set screws.)

Part #	Description
CCH-118	Conversion Kit 1.9"



Retaining Ring Plier

For all cylinder handle retaining rings.

Part #	Description
CCH-P1	Retaining Ring Plier

OUR NEW HELIUM TANK WRENCH WILL . . . Easily Opens Caps & Valves, and Attaches Regulator



Use for Tough
 to Open Valves
 Part # RAT-CW540580



For Hard to
 Turn Caps



Connecting Regulator
 CGA 520 & CGA 580



Use as a Captured Wrench –
 No more searching
 for a wrench.

Prices subject to change without notice.
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