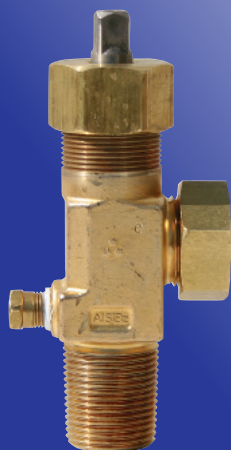
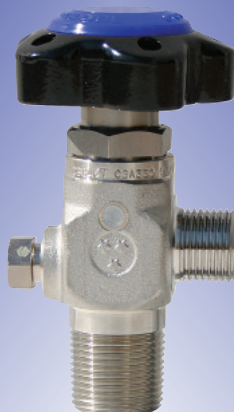
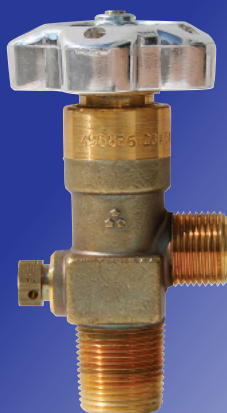
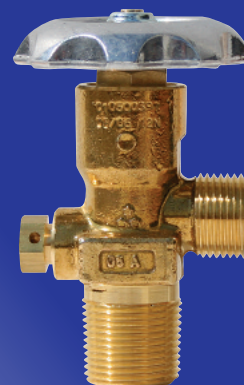


# High Pressure Cylinder Valves



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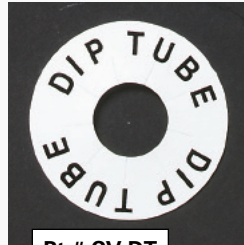
# CYLINDER VALVING I.D.

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

**Custom  
imprints  
available**



Pt # CV-S1



Pt # CV-DT



Pt # CV-WG



Pt # CV-CC

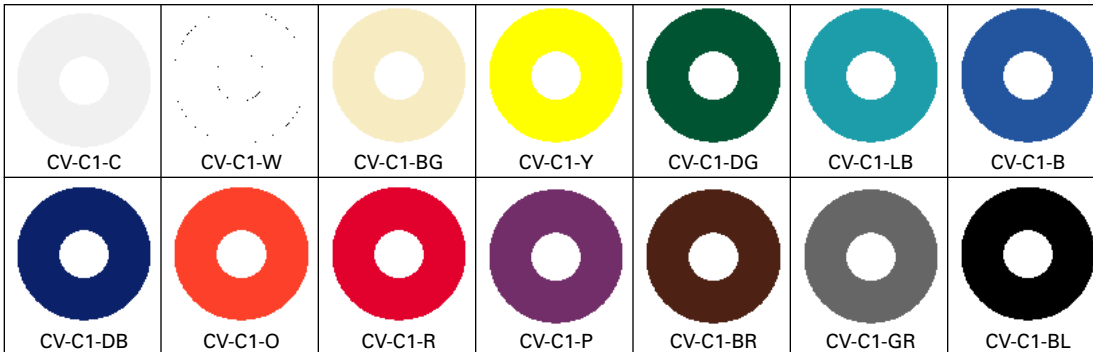
Part #	Description	10+ Pkg. of 50	4+ Pkg. of 50	2+ Pkg. of 50	1+ Pkg. of 50	Pkg. of 10
CV-S1PK50	Siphon	85¢ ea. pc. 50 to a pack	91¢ ea. pc. 50 to a pack	96¢ ea. pc. 50 to a pack	\$1.02 ea. pc. 50 to a pack	(Pt # CV-S1PK10) \$11.79 Pk
CV-DTPK50	Dip Tube	85¢ ea. pc. 50 to a pack	91¢ ea. pc. 50 to a pack	96¢ ea. pc. 50 to a pack	\$1.02 ea. pc. 50 to a pack	(Pt # CV-DTPK10) \$11.79 Pk
CV-WGPK50	Welding Grade	85¢ ea. pc. 50 to a pack	91¢ ea. pc. 50 to a pack	96¢ ea. pc. 50 to a pack	\$1.02 ea. pc. 50 to a pack	(Pt # CV-WGPK10) \$11.79 Pk
CV-CCPK50	Coca-Cola	85¢ ea. pc. 50 to a pack	91¢ ea. pc. 50 to a pack	96¢ ea. pc. 50 to a pack	\$1.02 ea. pc. 50 to a pack	(Pt # CV-CCPK10) \$11.79 Pk

Custom imprint available one time plate fee. Art charges may apply.

## CUSTOM IMPRINT VALVING I.D. COLLARS

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

Standard Collar Colors

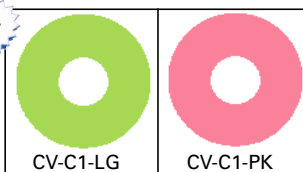


Pt # CV-C1



**Custom  
imprints  
available**

**NEW**  
Special  
Collar  
Colors



**Install at time of Valve Installation**

Custom Imprint Pricing

Part #	1,000	500	250	One time plate charge
CV-C1	89¢	97¢	\$1.05	\$45.00.



3/4" NPT  
Thread

## CYLINDER-THREADED PLASTIC PLUG

Part #	Description	4+ Pkg. of 250	2+ Pkg. of 250	1+ Pkg. of 250	Pkg. of 10
PM-3413PK250	3/4" NPT Thread	15¢ ea. pc. 250 to a pack	17¢ ea. pc. 250 to a pack	19¢ ea. pc. 250 to a pack	(Pt # PM-3413PK10) \$2.36 Pk.
PM-121PK250	1/2" NPT Thread	15¢ ea. pc. 250 to a pack	17¢ ea. pc. 250 to a pack	19¢ ea. pc. 250 to a pack	(Pt # PM-121PK10) \$2.36 Pk.
PM-113PK250	1" NPT Thread	70¢ ea. pc. 250 to a pack	75¢ ea. pc. 250 to a pack	80¢ ea. pc. 250 to a pack	(Pt # PM-113PK10) \$9.65 Pk.

# BRASS PLUG & CHAIN ASSEMBLIES FOR SEALING MANIFOLDS, CYLINDERS & HOSE CONNECTORS

## TWO-PIECE PLUG AND CHAIN ASSEMBLIES

These two-piece nut and blind nipple assemblies made to CGA and IAA standards make a gas tight seal with a standard CGA connections. Also available with replaceable soft tips or "O" rings.



Part No. FIT-2PC-540



Part No. FIT-2PC-510

Ratermann Part No.	CGA No.	Description	Gas Tight Seal
FIT-2PC-021	021	Fuel Gas "A" Hose Size 3/8"-24-LH-Internal	200 P.S.I.G.
FIT-2PC-022	022	Oxygen Std. "B" Hose Size 9/16"-18-RH-Internal	200 P.S.I.G.
FIT-2PC-023	023	Fuel Gas Std. "B" Hose Size 9/16"-18-LH-Internal	200 P.S.I.G.
FIT-2PC-024	024	Oxygen "C" Hose Size 7/8"-14-RH-Internal	200 P.S.I.G.
FIT-2PC-025	025	Fuel Gas "C" Hose Size 7/8"-14-LH-Internal	200 P.S.I.G.
FIT-2PC-026	026	Oxygen "D" Hose Size 1-1/4"-12-RH-Internal	200 P.S.I.G.
FIT-2PC-027	027	Fuel Gas "D" Hose Size 1-1/4"-12-LH-Internal	200 P.S.I.G.
FIT-2PC-032EXT	032	Inert Gas "B" Hose Size 5/8"-18-RH-External	200 P.S.I.G.
FIT-2PC-033	033	Air-Water "B" Hose Size 5/8"-18-LH-External	200 P.S.I.G.
FIT-2PC-032INT	032	Inert Gas "B" Hose Size 5/8"-18-RH-Internal	200 P.S.I.G.
FIT-2PC-034	034	Inert Gas "C" Hose Size 7/8"-14-RH-External	200 P.S.I.G.
FIT-2PC-326	326	Nitrous Oxide-RH-Internal	3000 P.S.I.G.
FIT-2PC-346	346	Air-RH-Internal	3000 P.S.I.G.
FIT-2PC-347	347	Air-RH-Internal Type 316	3001-5500 P.S.I.G.
FIT-2PC-347SS	347	Air-RH-Internal Type 316 Stainless Steel	3001-5500 P.S.I.G.
FIT-2PC-350	350	Hydrogen, Methane-LH-Internal	3000 P.S.I.G.
FIT-2PC-510	510	Acetylene-LH-External Propane-LH-External	250 P.S.I.G. 500 P.S.I.G.
FIT-2PC-520	520	"B" Acetylene-RH-Internal	250 P.S.I.G.
FIT-2PC-540	540	Oxygen-RH-Internal	3000 P.S.I.G.
FIT-2PC-555	555	Propane (Liquid Withdrawal)-LH-Internal	3000 P.S.I.G.
FIT-2PC-580	580	Argon, Helium, Nitrogen-RH-External	3000 P.S.I.G.

## ONE-PIECE PLUG AND CHAIN ASSEMBLIES

These shorter one-piece plug and chains can be used, where space is limited, to seal-off cylinder valves and still be able to install the cylinder valve cap. These nipples have replaceable soft tips or "O" rings for a more positive seal using less force.



Part No. FIT-OPC-540 Oxygen



Part No. FIT-OPC-580 Argon, Helium, Nitrogen

Ratermann Part No.	CGA No.	Description	Gas Tight Seal
FIT-OPC-320	320	Carbon Dioxide-RH-Internal	3000 P.S.I.G.
FIT-OPC-326	326	Nitrous Oxide-RH-Internal	3000 P.S.I.G.
FIT-OPC-330	330	Non-Corrosive Gas-LH-Internal	3000 P.S.I.G.
FIT-OPC-346	346	Air-RH-Internal	3000 P.S.I.G.
FIT-OPC-350	350	Hydrogen, Methane-LH-Internal	3000 P.S.I.G.
FIT-OPC-510	510	Acetylene-LH-External Propane-LH-External	250 P.S.I.G. 500 P.S.I.G.
FIT-OPC-540	540	Oxygen-RH-Internal	3000 P.S.I.G.
FIT-OPC-555	555	Propane (Liquid Withdrawal)-LH-Internal	3000 P.S.I.G.
FIT-OPC-580	580	Argon, Helium, Nitrogen-RH-External	3000 P.S.I.G.
FIT-OPC-590	590	Industrial Air-LH-External	3000 P.S.I.G.

# POWER TOOL ATTACHMENT

## FOR VALVES - VALVE CLOSING TOOL



### Valve Closing Tool

Rubber Insert gives cushion to valve handle when opening and closing.



Pt # CV-38RVT

Power Tool Attachment for Valves

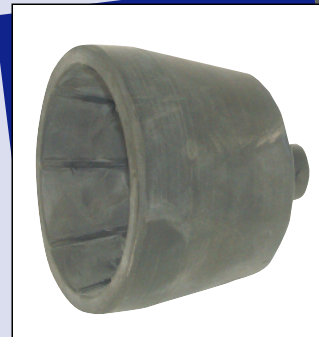
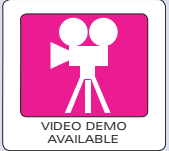
Part #	Description	each
CV-12RVT	Complete Unit - 1/2" Drive Valve Tool - Holder Shell	74.41
CV-38RVT	Complete Unit - 3/8" Drive Valve Tool - Holder Shell	74.41
CV-12SHELL	1/2" Drive Valve Tool - Holder Shell	59.98
CV-38SHELL	3/8" Drive Valve Tool - Holder Shell	59.98
CV-LGINSERT	Hard Replacement Insert for Valve Tool	17.29

\* Air tool not included

## CAP REMOVER

### Fast Cap Tool

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



Fast Cap Tool

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

## FOR VALVES - VALVE OPENING AND CLOSING SOCKET

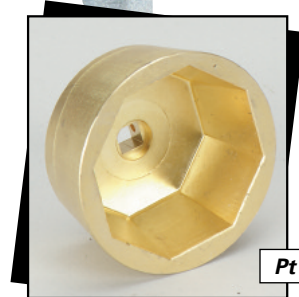


Use with 3/8 Angle Air Wrench



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

Part #	Price
CV-OC	61.15



Pt # CV-OC

\* Air tool not included

# TEFLON PASTE & TAPE

## 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.

#### IDEAL APPLICATIONS FOR TEFLON PASTE

- Oxygen cylinders to eliminate leaks
- Fine instrument threads
- Oxygen systems below 125° C
- Valves on bottled gases



#### Teflon Paste

Part #	Description	72+	24+	1+
Oxy-Teflon 8	Teflon Paste	13.54	15.40	17.35



#### Teflon Tape

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

### Green Oxygen Teflon Threaded Seal Tape



#### Green Teflon Tape

Part #	Description
TAPE-2-GREEN	1/2" x 520" Green Teflon Tape
TAPE-34-GREEN	3/4" x 520" Green Teflon Tape

## VALVE LEAK CHECK

### Oxygen Safe



#### Valve Leak Check

Part #	Description	Size
LC-4	Leak Check Squeeze Bottle	4 oz.
LC-1GAL	Leak Check	1 Gallon

# CAVAGNA INDUSTRIAL VALVES



Carbon Dioxide Valve - CGA 320



Nitrous Oxide Valve CGA 326



Breathing Air Valve - CGA 346



Hydrogen Valve - CGA 350



Oxygen Valve - CGA 540



Industrial Air - CGA 590

## High Pressure Forged Brass Valve for DOT cylinders

Part #	CGA 540 OXYGEN VALVE
RVB-540A-3360P	540 Oxygen Valve 3/4" RD, 3360 psi
RVB-540A-3775P	540 Oxygen Valve 3/4" RD, 3775 psi
RVB-540A-4000P	540 Oxygen Valve 3/4" RD, 4000 psi
RVB-540E-3775P	540 Oxygen Valve 3/4" 7-OS RD, 3775 psi
RVB-540G-3775P	540 Oxygen Valve 1.125" UNF RD, 3775 psi

Also available in RPV

Part #	CGA 580 INERT VALVE
RVB-580A-3360P	580 Inert Valve 3/4" RD, 3360 psi
RVB-580A-3775P	580 Inert Valve 3/4" RD, 3775 psi
RVB-580A-4000P	580 Inert Valve 3/4" RD, 4000 psi
RVB-580G-3360P	580 Inert Valve 1.25" UNF RD, 3360 psi

Also available in RPV

Part #	CGA 590 INDUSTRIAL AIR VALVE
RVB-590A-3360P	590 Industrial Air Valve 3/4" RD, 3360 psi
RVB-590A-3775P	590 Industrial Air Valve 3/4" RD, 3775 psi
RVB-590A-4000P	590 Industrial Air Valve 3/4" RD, 4000 psi

Part #	CGA 320 CARBON DIOXIDE VALVE
RVB-320A-3000P	320 Carbon Dioxide Valve 3" NGT
RVB-320G-3000P	320 Carbon Dioxide Valve 1.125" UNF, RD, 3000 psi
RVB-320B-3360P	320 Carbon Dioxide Valve 3/4" 7-OS RD, 3360 psi
RVB-320G-3360P	320 Carbon Dioxide Valve 1.125" UNF, RD, 3360 psi

Part #	CGA 326 NITROUS OXIDE VALVE
RVB-326A-3360P	326 Nitrous Oxide Valve 3/4" RD, 3360 psi
RVB-326A-3775P	326 Nitrous Oxide Valve 3/4" RD, 3775 psi

Part #	CGA 346 BREATHING AIR VALVE
RVB-346A-3360P	346 Breathing Air Valve 3/4" RD, 3360 psi
RVB-346A-3775P	346 Breathing Air Valve 3/4" RD, 3775 psi

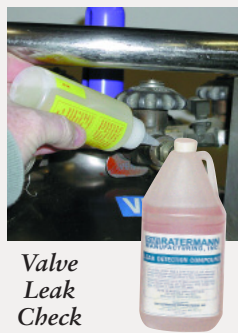
Part #	CGA 350 HYDROGEN VALVE
RVB-350A-3360HF	350 Hydrogen Valve 3/4" RD, 3360 psi
RVB-350A-3775HF	350 Hydrogen Valve 3/4" RD, 3775 psi



Teflon Paste for Pipe Threads  
part # OXY-OC3-4OZ



Inert Valve - CGA 580



Valve Leak Check  
part # LC-1GAL

## REPLACEMENT SAFETY RELIEFS



New Plug Style



Old-Style

Color-Coded Safety Caps

New Plug Style Pt #	Old-Style Pt #	Industrial Replacement Safety Reliefs
RVR-3000P	RVR-3000S	Safety Relief Brass 650-19NS, 3000 psi
RVR-3360P	RVR-3360S	Safety Relief Brass 650-19NS, 3360 psi
RVR-3775P	RVR-3775S	Safety Relief Brass 650-19NS, 3775 psi
RVR-4000P	RVR-4000S	Safety Relief Brass 650-19NS, 4000 psi

## CYLINDER SIPHON TUBES

Siphon tubes are constructed from 3/8" type "K" copper tube. Each tube is fitted with a 1/4" male NPT brass fitting for easy attachment to most brass valves on the market today. Standard length is 53" OAL to fit most 250-300 cu. ft. cylinders. All ends are cut at 45° angle to allow for unrestricted flow.

**Stainless Steel siphon tubes are available for higher purity gases. Call Customer Service for details.**



part # CST-C

Part #	Description
CST-S	Standard Siphon Tube, 53" OAL
CST-C	Standard Siphon Tube, 48" OAL
CST-C26	Standard Siphon Tube, 26" OAL

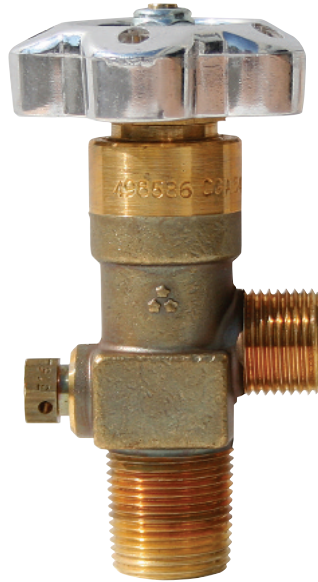
# SPECIALTY GAS CYLINDER VALVES

Valves -  
High Pressure Cylinder  
Section  
**20C**

## DB & DC SERIES - CEODEUX®



*Ideal for the Following Applications*



*Brass High Pressure Cylinder Valve, Diaphragm Seal Type for High Purity Gases*

NGT Tapered & Straight/Parallel Thread Inlets also for Brass Cylinders

### KEY FEATURES

- Soft seat sealing arrangement offers low operating torque.
- Valve seat captivated to avoid extrusion and blockage of the valve.
- High leak integrity through diaphragm sealing.
- High performance thrust pad.
- Strict Helium leak testing on every valve seat, diaphragm seal and safety device.
- Easy operation of valve under high pressure.
- Unique safety device design minimizes incorrect installation and meets CGA-S1.1 regulations.
- Designed to ensure a safe, long, trouble-free life under all service conditions.
- Meets CGA standards.

### OPTIONS

- Thread for dip tube connection.
- Fusible metal safety device, specify melting temperature and pressure.
- Chrome plating (*See below*).

Part Number	Gas Service	CGA Outlet	CGA Outlet Thread	Inlet
CDB-296A-xxxxP	Ind Oxy Mix	296	.803-14UNS-2B RH INT	3/4 NGT
CDB-296G-xxxxP	Ind Oxy Mix	296	.803-14UNS-2B RH INT	1.125-12 UNF2A
CDB-320A-xxxxP	Carbon Dioxide	320	.825-14NG0 RH EXT	3/4 NGT
CDB-320G-xxxxP	Carbon Dioxide	320	.825-14NG0 RH INT	1.125-12 UNF2A
CDB-350A-xxxxHF	Flammable Gases	350	.825-14NG0 LH EXT	3/4 NGT
CDB-350G-xxxxHF	Flammable Gases	350	.825-14NG0 LH EXT	1.125-12 UNF2A
CDB-540A-xxxxP	Oxygen	540	.965-14NG0 RH EXT	3/4 NGT
CDB-540G-xxxxP	Oxygen	540	.965-14NG0 RH EXT	1.125-12 UNF2A
CDB-580A-xxxxP	Inert Gases	580	.965-14NG0 RH INT	3/4 NGT
CDB-580G-xxxxP	Inert Gases	580	.965-14NG0 RH INT	1.125-12 UNF2A
CDB-590A-xxxxP	Air, Sulphur	590	.965-14NG0 LH INT	3/4 NGT
CDB-590G-xxxxP	Hexafluoride	590	.965-14NG0 LH INT	1.125-12UNF2A
CDB-660A-xxxxP	Highly Oxidized	660	1.030-14NG0 RH INT	3/4 NGT
CDB-660G-xxxxP	or Toxic Gases	660	1.030-14NG0 RH INT	1.125-12UNF2A

### For Pressure Settings

Replace "xxxx" in the part number with the PSI needed: 3000, 3360, 3775, 4000

**Please call for other available pressures.**

### For Chrome Valves

Replace the beginning prefix of the part number "CDB" with "CDC"

## CYLINDER SIPHON TUBES

Siphon tubes are constructed from 3/8" type "K" copper tube. Each tube is fitted with a 1/4" male NPT brass fitting for easy attachment to most brass valves on the market today. Standard length is 53" OAL to fit most 250-300 cu. ft. cylinders. All ends are cut at 45° angle to allow for unrestricted flow.

*Stainless Steel siphon tubes are available for higher purity gases. Call Customer Service for details.*



part # CST-C

Part #	Description
CST-S	Standard Siphon Tube, 53" OAL
CST-C	Standard Siphon Tube, 48" OAL
CST-C26	Standard Siphon Tube, 26" OAL

# SPECIALTY GAS CYLINDER VALVES

## DS303 & DS316 SERIES - CEODEUX®

*Stainless Steel High Pressure Cylinder Valve,  
Diaphragm Type Seal for Various High Purity  
and Mild Corrosive Gases*

NGT Tapered & Straight/ Parallel Thread Inlets

### KEY FEATURES

- Valve available in 303SS or 316SS.
- A new generation of high pressure stainless steel cylinder valves with a unique safety device.
- Soft seat sealing arrangement offers low operating torque.
- Valve seat captured to avoid extrusion and blockage of valve.
- High leak tightness integrity through diaphragm sealing.
- Pressure relief devices are in accordance with CGA S-1.1.
- Burst disc materials are nickel or AISI 316L.
- Strict Helium leak testing on every valve seat, diaphragm seal and safety device.

### SPECIAL ORDER OPTIONS

- Alternative seat disc materials: Nylon®, PVDF, Vespel®.
- Gas wetted components electro-chemically polished.
- Clean room assembly.
- UHP/ECD cleaning.
- Dip tube connection.



*Ideal for the Following  
Applications*

### HOW TO ORDER

*(Example shown is a diaphragm valve, 316 AISI body, CGA660 outlet, 1.125-12UNF2A Inlet, 212° F fuse metal safety, 3000 PSI PRD.)*

**CS6** - **660** **G** - **3000** **HF**

<i>Valve Body Material</i>	<i>CGA Outlet</i>	<i>Inlet Thread Size</i>	<i>PSI Setting</i>	<i>Safety Type</i>
CS3 – AISI 303	320 – Carbon Dioxide	A - 3/4" NGT		P – Rupture Disc
CS6 – AISI 316	330 – Non-Corrosive Gas	G - 1.125-12 UNF		LF – 165° F Fusible Metal
	350 – Flammable Gas			HF – 212° F Fusible Metal
	580 – Inert Gas			
	590 – Air			
	660 – Corrosive Gas			



# SPECIALTY GAS CYLINDER VALVES

Valves -  
High Pressure Cylinder  
Section  
**20C**

## D300 SERIES - CEODEUX® D310, D335, D336

316L Stainless Steel & Brass High Pressure, High Flow Cylinder Valves, Tied Diaphragm Seal Type for High Purity / UHP Gases / Corrosive Gases

NGT Tapered & Straight/Parallel Thread Inlets

### D300 SERIES KEY FEATURES

- Reduced dead spaces and gas wetted volumes allow easy purging process.
- Freedom of internal threads and springs insures minimum particulate generation.
- Very low internal volume with minimum dead spaces. This is particularly beneficial, when using the valve for hygro-scopic, corrosive, phosphoric or high purity gases where inert gas purging is necessary before opening or after closing the valve.
- Freedom from seizure when used with corrosive gases. Gas does not come into contact with the valve operating mechanism.
- Positive and effective operation, valve lower spindle is mechanically linked to the upper spindle and operating handle
- Backed up welded diaphragms provide a permanent and durable gas tight seal.
- O-rings on gland and on spindle guarantee a secondary sealing.
- Threaded vent hole.
- Unique safety device design minimizes incorrect installation and meets CGA-S1.1 regulations.
- Designed to ensure a safe, long, trouble-free life under all service conditions.
- Meets CGA standards.



*Ceodeux manufactures a broad range of cylinder valves for UHP, Corrosive and Reactive gases for Specialty, Semi-Conductor & UHP industries.*



*Ideal for the Following Applications*

### VALVE DESIGN OPTIONS

#### HPU D300 Series

316L Stainless Steel Body Tied Diaphragm Valve For Ultra High Purity Gases

#### HPG D310 Series

Brass Body Tied Diaphragm Valve For High Purity Gases

#### HPC D335 Series

316L Stainless Steel Body Tied Diaphragm Valve For Ultra High Purity Corrosive Gases

#### HPR D336 Series

316L Stainless Steel Body Tied Diaphragm Valve For Ultra High Purity Reactive Gases (all metal seal - no contamination)

### HOW TO ORDER

*Example shown is a tied diaphragm valve, 316 AISI body, CGA660 outlet, 1.125-12UNF2A Inlet, 212° F fuse metal safety, 3000 PSI PRD.*

**HPU** - **660** **G** - **3000** **HF**

#### Valve Design

HPU - Ultra High Purity Gases

HPG - High Purity Gases

HPC - Ultra High Purity Corrosive Gases

HPR - Ultra High Reactive Gases

#### CGA Outlet

320/716 - Carbon Dioxide

330/634 - Non-Corrosive Gas

350/724 - Flammable Gas

580/718 - Inert Gas

590/716 - Air

660/728 - Corrosive Gas

#### Inlet Thread Size

A - 3/4" NGT

G - 1.125-12 UNF

#### PSI Setting

#### Safety Type

P - Rupture Disc

LF - 165° F Fusible Metal

HF - 212° F Fusible Metal

# CHLORINE CYLINDER & TON VALVES

## CH SERIES - CEODEUX®

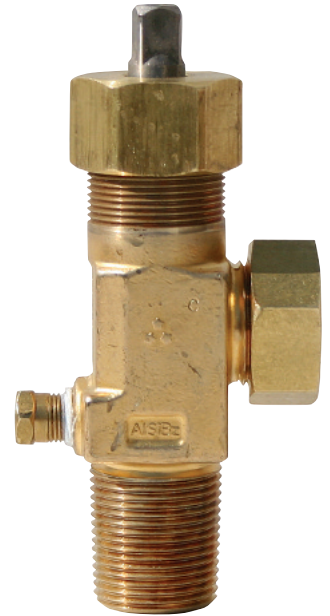
Low Pressure Cylinder Valves Packed 1 Piece Sturdy Stem Design  
For Ton Containers and Cylinders

### KEY FEATURES

- Valves manufactured in compliance with the standards and specifications of the Chlorine Institute.
- Adjustable gland packing, in the unlikely event of leakage occurring past the stem, when opening the valve, rectification is readily achieved by retightening the gland packing nut.
- Valve bodies forged from corrosion resistant aluminum silicon bronze alloy.
- Strong, chlorine compatible stem.
- Stem seal packing recognized by the Chlorine Institute.
- Brass Outlet cap with Teflon® insert included for outlet thread protection and achieving a gas tight seal for transportation
- Designed for CGA820 yoke or CGA660 thread connections.
- Available in 3/4" and 1" NGT CL-1 thru CL-4 threads.

### STANDARD SPECIFICATIONS

<i>Body</i>	A1SIBr (Aluminum Silicone Bronze Alloy)
<i>Stem</i>	Monel®
<i>Packing</i>	PTFE
<i>Bonnet</i>	Brass
<i>Outlet Cap</i>	Brass
<i>Packing Gland</i>	Brass
<i>Packing Washer</i>	Brass
<i>Fuse Plugs</i>	Naval Brass and fusible 165° alloy (Cylinder Valves)



### 3/4" CHLORINE TON VALVES - WITH FUSE PLUGS

Part Number	Description	CGA Outlet	Outlet Thread Size	Inlet Thread NGT
CCB-820A-LF-CL1	Chlorine Ton Valve	820	CGA820 1.030-14RH	3/4" NGT CL1
CCB-820A-LF-CL2	Chlorine Ton Valve	820	CGA820 1.030-14RH	3/4" NGT CL2
CCB-820A-LF-CL3	Chlorine Ton Valve	820	CGA820 1.030-14RH	3/4" NGT CL3
CCB-820A-LF-CL4	Chlorine Ton Valve	820	CGA820 1.030-14RH	3/4" NGT CL4
CCB-820A-FF-CL5	Chlorine Ton Valve	820	CGA820 1.030-14RH	3/4" NGT CL5

### 1" CHLORINE TON VALVES - WITH FUSE PLUGS

Part Number	Description	CGA Outlet	Outlet Thread Size	Inlet Thread NGT
CCB-820D-LF-CL1	Chlorine Ton Valve	820	CGA820 1.030-14RH	1" NGT CL1
CCB-820D-LF-CL2	Chlorine Ton Valve	820	CGA820 1.030-14RH	1" NGT CL2
CCB-820D-LF-CL3	Chlorine Ton Valve	820	CGA820 1.030-14RH	1" NGT CL3
CCB-820D-LF-CL4	Chlorine Ton Valve	820	CGA820 1.030-14RH	1" NGT CL4

### 3/4" CHLORINE TON VALVES - NO FUSE PLUGS

Part Number	Description	CGA Outlet	Outlet Thread Size	Inlet Thread NGT
CCB-820A-CL1	Chlorine Ton Valve	820	CGA820 1.030-14RH	3/4" NGT CL1
CCB-820A-CL2	Chlorine Ton Valve	820	CGA820 1.030-14RH	3/4" NGT CL2
CCB-820A-CL3	Chlorine Ton Valve	820	CGA820 1.030-14RH	3/4" NGT CL3
CCB-820A-CL4	Chlorine Ton Valve	820	CGA820 1.030-14RH	3/4" NGT CL4
CCB-820A-CL5	Chlorine Ton Valve	820	CGA820 1.030-14RH	3/4" NGT CL5

### 1" CHLORINE TON VALVES - NO FUSE PLUGS

Part Number	Description	CGA Outlet	Outlet Thread Size	Inlet Thread NGT
CCB-820D-CL1	Chlorine Ton Valve	820	CGA820 1.030-14RH	1" NGT CL1
CCB-820D-CL2	Chlorine Ton Valve	820	CGA820 1.030-14RH	1" NGT CL2
CCB-820D-CL3	Chlorine Ton Valve	820	CGA820 1.030-14RH	1" NGT CL3
CCB-820D-CL4	Chlorine Ton Valve	820	CGA820 1.030-14RH	1" NGT CL4

### Fuse Metal Plugs

- Manufactured in accordance with Chlorine Institute specifications.
- Fusible metal melting at 158°-165°F.
- Manufactured from Chlorine Institute recognized Naval Brass and fusible metal.

### 3/4" CHLORINE FUSE PLUGS

Part Number	Description	Thread
CCB-820A-LF-CL1	Fuse Plug	3/4" NGT CL1
CCB-820A-LF-CL2	Fuse Plug	3/4" NGT CL2
CCB-820A-LF-CL3	Fuse Plug	3/4" NGT CL3
CCB-820A-LF-CL4	Fuse Plug	3/4" NGT CL4
CCB-820A-LF-CL5	Fuse Plug	3/4" NGT CL5

### 1" CHLORINE FUSE PLUGS

Part Number	Description	Thread
CCB-820D-LF-CL1	Fuse Plug	1" NGT CL1
CCB-820D-LF-CL2	Fuse Plug	1" NGT CL2
CCB-820D-LF-CL3	Fuse Plug	1" NGT CL3
CCB-820D-LF-CL4	Fuse Plug	1" NGT CL4

# ACETYLENE CYLINDER VALVES

Valves -  
High Pressure Cylinder  
Section  
**20C**

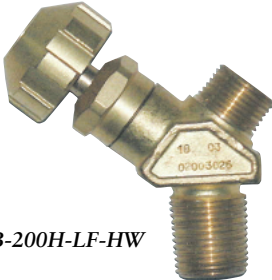
## Acetylene Valves



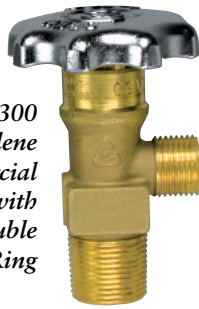
part # RVB-200H-LF

Packed Valve for "MC" Cylinders up to 10 cubic feet capacity

part # RVB-200H-LF-HW



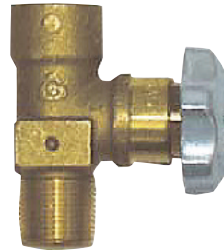
CGA 300 Acetylene Commercial Valve with double O-Ring



part # RVB-300A-O

Vertical Outlet Acetylene Valve with Hand Wheel

part # RVB-510POL



CGA 510 P.O.L. double O-Ring Valve



part # RVB-510A-O

Packed Valve for "B" Cylinders up to 40 cubic feet capacity



part # RVB-520H-LF



part # RVB-520H-LF-HW

Part #	ACETYLENE VALVE MC
RVB-200H-LF	Acetylene Valve MC 3/8" NGT
RVB-200H-LF-HW	Acetylene Valve MC 3/8" NGT w/Hand wheel

Part #	ACETYLENE COMMERCIAL - CGA 300
RVB-300A-O	Acetylene Valve Commercial, 3/4" NGT

Part #	ACETYLENE VALVE B
RVB-520H-LF	Acetylene Valve B 3/8" NGT
RVB-520H-LF-HW	Acetylene Valve B 3/8" NGT w/Hand wheel

Part #	ACETYLENE VALVE P.O.L. - CGA 510
RVB-510A-O	Acetylene Valve CGA 510 P.O.L. 3/4" NGT
RVB-510D-O	Acetylene Valve CGA 510 P.O.L. 1" 11/2" NGT
RVB-510POL	Acetylene Valve CGA 510 180°

## Fusible Plugs for Acetylene

### FEATURES

- All fuse plugs are UL listed.
- Produced from high quality brass and steel alloy rod.
- Meticulously controlled fusible alloy assures accurate and consistent melt temperatures.
- Fusible alloy is cast into plug body to ensure an extremely strong bond between alloy and plug body.
- Fusible plug stamped with fusible metal yield temperature.



Part Number	Thread Size	Fuse Metal
CAB-18ST-HF**	1/8" NPT	212°F
CAB-18-LF	1/8" NPT	165°F
CAB-18-HF	1/8" NPT	212°F
CAB-14-LF	1/4" NPT	165°F
CAB-14-HF	1/4" NPT	212°F
CAB-38-LF	3/8" NPT	165°F
CAB-38-HF	3/8" NPT	212°F

\*\*Steel-Tinned Alloy Fuse Plug

## WORKPLACE SAFETY

### OSHA Danger Signs

Plastic 14" wide x 10" high



# SD-NS-1410P



# SD-NS50FT-1410P



# SD-NSBTP-1410P



# SD-NSOFOIU-1410P



# SD-NSOTP-1410P



# SD-ACETYLENE



# SP-810



# SP-811

See page **9B-21** for pricing

# MEDICAL CYLINDER VALVES

## MP SERIES - CEODEUX®

### O-ring Seal Post Cylinder Valves For Medical Gases

Yoke Outlet Connection PIN-INDEX  
System Straight, Parallel Threads for  
Aluminum Cylinders NGT, Tapered  
Threads for Steel Cylinders



*Ideal for the  
Following  
Applications*



### KEY FEATURES

- O-ring seal type, guarantees full tightness under pressures of up to 3,000 psi. Very easy operation under all pressures.
- Protective and attractive chrome plated finish.
- Strict Helium leak testing after assembly rather than the less stringent water Test.
- Designed to ensure a safe, long, trouble-free life under all service conditions.
- Meets CGA standards.

### STEEL CYLINDERS WITH TAPERED 1/2" NGT INLET THREADS

Part Number	Gas Service	CGA Outlet	Pin-Index Numbers	NGT Inlet
CVP-653F-xxxx	Not specified	653	None	1/2
CVP-870F-xxxxLF	Oxygen	870	#2 & #5	1/2
CVP-880F-xxxxLF	Oxy-CO2 Mix	880	#2 & #6	1/2
CVP-890F-xxxxLF	Oxy-Helium Mix	890	#2 & #4	1/2
CVP-910F-xxxxP	Nitrous Oxide	910	#3 & #5	1/2
CVP-930F-xxxxLF	Helium	930	#4 & #6	1/2
CVP-940F-xxxxP	Carbon Dioxide	940	#1 & #6	1/2
CVP-950F-xxxxLF	Medical Air	950	#1 & #5	1/2
CVP-960F-xxxxLF	Nitrogen	960	#1 & #4	1/2
CVP-965F-xxxxLF	Nit. Oxide & Oxy Mix	965	#7	1/2
CVP-973F-xxxxLF	Medical Gas Mixture	973	#11 & #24	1/2

### ALUMINUM CYLINDERS WITH STRAIGHT .750-16UNF2A PARALLEL INLET THREADS

Part Number	Gas Service	CGA Outlet	Pin-Index Numbers	NGT Inlet
CVP-653B-xxxx	Not specified	653	None	.750-16UNF2A
CVP-870B-xxxxLF	Oxygen	870	#2 & #5	.750-16UNF2A
CVP-880B-xxxxLF	Oxy-CO2 Mix	880	#2 & #6	.750-16UNF2A
CVP-890B-xxxxLF	Oxy-Helium Mix	890	#2 & #4	.750-16UNF2A
CVP-910B-xxxxP	Nitrous Oxide	910	#3 & #5	.750-16UNF2A
CVP-930B-xxxxLF	Helium	930	#4 & #6	.750-16UNF2A
CVP-940B-xxxxP	Carbon Dioxide	940	#1 & #6	.750-16UNF2A
CVP-950B-xxxxLF	Medical Air	950	#1 & #5	.750-16UNF2A
CVP-960B-xxxxLF	Nitrogen	960	#1 & #4	.750-16UNF2A
CVP-965B-xxxxLF	Nit. Oxide & Oxy Mix	965	#7	.750-16UNF2A
CVP-973B-xxxxLF	Medical Gas Mixture	973	#11 & #24	.750-16UNF2A

### For Pressure Settings

Replace "xxxx" in the part number with the PSI needed

### For Medical Valves with Toggle

Replace the beginning prefix of the part number "CVP" with "CVT"

# BRASS CYLINDER VALVES

## BI & BC SERIES - CEODEUX®

*O-ring Seal Style Brass and Chrome Plated  
Cylinder Valves For Various Gases*

Parallel, Straight Thread Inlets for Aluminum Cylinders

### KEY FEATURES

- A new generation of high pressure brass cylinder valves.
- Advanced O-Ring technology for absolute tightness under vacuum or maximum operating pressure; lasts longer than traditional pressure seal valves.
- Each valve tested after assembly with severe Helium Leak Test rather than the less stringent Water Test.
- Special seat design to ensure smooth flow regulation and tightness even with excessive torque.
- Easy operation of valve under high pressure.
- Unique safety device design minimizes incorrect installation and meets CGA-S1.1 regulations.
- Most valves supplied with thread for dip tube.
- Special lower stem and seat design for oxygen service.
- Designed to ensure a safe, long, trouble-free life under all service conditions.
- Meets CGA standards.

Part Number	Gas Service	CGA Outlet	Outlet Thread Size	Straight Thread Inlet
CVB-320B-xxxxP	Carbon Dioxide	320	.825-14NG0 RH EXT	.750-16 UNF2A
CVB-320G-xxxxP	Carbon Dioxide	320	.825-14NG0 RH INT	1.125-12 UNF2A
CVB-326B-xxxxP	Nitrous Oxide	326	.825-14NG0 RH EXT	.750-16 UNF2A
CVB-326G-xxxxP	Nitrous Oxide	326	.825-14NG0 RH EXT	1.125-12 UNF2A
CVB-346B-xxxxP	Air	346	.825-14NG0 RH EXT	.750-16 UNF2A
CVB-346G-xxxxP	Air	346	.825-14NG0 RH EXT	1.125-12 UNF2A
CVB-350B-xxxxHF	Flammable Gases	350	.825-14NG0 LH EXT	.750-16 UNF2A
CVB-350G-xxxxHF	Flammable Gases	350	.825-14NG0 LH EXT	1.125-12 UNF2A
CVB-540B-xxxxP	Oxygen	540	.903-14NG0 RH EXT	.750-16 UNF2A
CVB-540G-xxxxP	Oxygen	540	.903-14NG0 RH EXT	1.125-12 UNF2A
CVB-580B-xxxxP	Inert Gases	580	.965-14NG0 RH INT	.750-16 UNF2A
CVB-580G-xxxxP	Inert Gases	580	.965-14NG0 RH INT	1.125-12 UNF2A
CVB-590B-xxxxP	Air, Sulphur	590	.965-14NG0 LH INT	.750-16 UNF2A
CVB-590G-xxxxP	Hexafluoride	590	.965-14NG0 LH INT	1.125-12UNF2A

### For Pressure Settings

Replace "xxxx" in the part number with the PSI needed: 3000, 3360, 3775, 4000

### For Chrome Valves

Replace the beginning prefix of the part number "CVB" with "CVC"



Chrome plated valve also available

### TAPE, TEFLON PASTE & VALVE LEAK CHECK



• Oxygen Safe  
• Pre-mixed  
**Leak Check Fluid**

pt # LC-1GAL



**Teflon Paste for Pipe Threads**  
pt # OXY-OC3-4OZ

### Teflon Tape

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



## BR SERIES - CEODEUX®

*O-ring Seal Design Brass  
Residual Pressure Valve for  
Various Gases*

NGT, Tapered Thread Inlets for  
Steel Cylinders

### TECHNICAL SPECIFICATIONS

Maximum Working Pressure: 3000PSIG

Burst Pressure: 12000PSIG

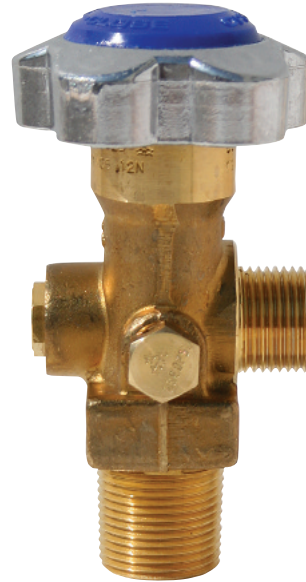
Operating Torque: 10-20 IN LB

Operating Temperature: -40 F to +149 F

Flow Orifice: .158

Cycle Life: 5000 Minimum

Shut Off Pressure: 40-60PSIG



### KEY FEATURES

- Designed to shut off gas flow at 40-60PSIG. Elimination of cylinder cleaning as contamination is kept out even if the valve is left open.
- Special designed filling adapter needed to fill the Ceodeux BR Series valves.
- A new generation of high pressure brass cylinder valves with a unique safety device.
- Advanced O-Ring technology for absolute tightness under vacuum or maximum operating pressure; lasts longer than traditional pressure seal valves.
- Each valve tested after assembly with severe Helium Leak Test rather than the less stringent Water Test.
- Lower plugs are designed specific for the gas service intended.
- Special seat design to ensure smooth flow regulation and tightness even with excessive torque.
- Easy operation of valve under high pressure.
- Unique safety device design minimizes incorrect installation and meets CGA-S1.1 regulations.
- Most valves supplied with thread for dip tube.
- Special lower stem and seat design for oxygen service.
- Designed to ensure a safe, long, trouble-free life under all service conditions.
- Meets CGA standards.

Part Number	Gas Service	CGA Outlet	Outer Thread Area	NGT Inlet
CPB-320A-xxxxP	Carbon Dioxide	320	.825-14NGO RH EXT	3/4
CPB-346A-xxxxP	Breathing Air	346	.825-14NGO RH EXT	3/4
CPB-350A-xxxxHF	Hydrogen	350	.825-14NGO LH EXT	3/4
CPB-540A-xxxxP	Oxygen	540	.903-14NGO RH EXT	3/4
CPB-580A-xxxxP	Inert Gases	580	.965-14NGO RH INT	3/4
CPB-590A-xxxxP	Air, Sulphur Hex.	590	.965-14NGO RH INT	3/4

#### For Pressure Settings

Replace "xxxx" in the part number with the PSI needed

#### For Chrome Valves

Replace the beginning prefix of the part number "CPB" with "CPC"



#### FILLING ADAPTERS PART NUMBERS, CGA NUT AND NIPPLE

Part Number	Description
CGA-320RVPNUTNP	CGA320 Nut and CGA320 Retractable Pin Nipple
CGA-346RVPNUTNP	CGA346 Nut and CGA346 Retractable Pin Nipple
CGA-350RVPNUTNP	CGA350 Nut and CGA350 Retractable Pin Nipple
CGA-540RVPNUTNP	CGA540 Nut and CGA540 Retractable Pin Nipple
CGA-580RVPNUTNP	CGA580 Nut and CGA580 Retractable Pin Nipple
CGA-590RVPNUTNP	CGA590 Nut and CGA590 Retractable Pin Nipple