

2A | Acetylene



RATERMANN
MANUFACTURING, INC.

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Acetylene Cylinders

for Industrial Gas

Acetylene cylinders equipped with valve and cap, acetone, fuse plugs and specified paint color (except MC and B cylinders).

*Specify cylinder color required.

NOTES:

- Cylinder capacities are based on commercially pure acetylene gas at 250 psig and 70° Fahrenheit.
- AC-MC and AC-B cylinders are not equipped with valve protection cap.
- Shipping weight includes protection cap on models AC-75 and larger.
- Manufactured in accordance with DOT-8/TC-8WM or DOT-8AL/TC-8WAM specifications.



Note:
Cylinder
colors may
vary from
photo.

SPECIFICATIONS

MODEL	AC-MC	AC-B	ACC-40	AC-75	AC-145	AC-210	AC-250	AC-390	AC-420
ACETYLENE CAPACITY (CU.FT.)	10	40	40	75	145	210	250	390	420
ACETYLENE CAPACITY (CU.METERS)	0.3	1.1	1.1	2.1	4.1	5.9	7.1	11	11.9
OUTSIDE DIAMETER (IN.)	3.9	6.2	6.2	7.2	8.2	10.3	10.3	12.3	12.3
OUTSIDE DIAMETER (MM)	99.8	156.9	156.9	182.3	208.4	260.6	260.6	312.5	312.5
HEIGHT (REF.) W/O VALVE (IN.)	13	19.7	20	25.8	33.9	32	36.6	40.2	40.9
HEIGHT (REF.) W/O VALVE (MM)	330.2	500.5	508	655.3	861.1	812.8	929.6	1,021	1,039
HEIGHT W/ CAP (IN.)	15	23.3	28.3	31.7	39.8	37.9	42.5	46.1	46.8
HEIGHT W/ CAP (MM)	381	591.8	718.8	805.2	1,010.9	962.7	1,079.5	1,170.9	1,188.7
NOMINAL TARE WEIGHT (LBS.)	7.4	25.8	28	44	76.4	106	119.3	191	197.4
NOMINAL TARE WEIGHT (KG)	3.3	11.6	12.9	19.8	34.4	47.7	53.7	86	88.8
PART NUMBER	CYLAC-MC	CYLAC-B	CYLAC-40*	CYLAC-75*	CYLAC-145*	CYLAC-210*	CYLAC-250*	CYLAC-390*	CYLAC-420*



Acetylene Accessories

Tank Roller Hand Tool

The Tank Roller Hand Tool is used for Pol Style Acetylene Tank.

Safer – Do not need to use finger inside valve to move cylinder.

Part #	Description
AC-ROLL	Acetylene Pol Style Hand Roller



Flat Top Hand Roller Tool

Valve Wrench

This Valve Wrench is used on non-hand wheel style acetylene valves.

Part #	Description
VW-514	Pol Style 1/4" Valve Wrench
VW-516	Pol Style 3/8" Valve Wrench



Pol Style 1/4" Pt# VW-514

Fusible Plugs for Acetylene

FEATURES

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



Part #	Material	Thread Size	Fuse Metal
PLG-A18165-B	Brass	1/8" NPT	165° F
PLG-A18212-B	Brass	1/8" NPT	212° F
PLG-A18212-TS	Tin Plated Steel	1/8" NPT	212° F
PLG-A14165-B	Brass	1/4" NPT	165° F
PLG-A14212-B	Brass	1/4" NPT	212° F
PLG-A38165-B	Brass	3/8" NPT	165° F
PLG-A38212-B	Brass	3/8" NPT	212° F

Stainless Steel is also available

Give us a call for more details.

PTFE Paste & Tape Oxygen Safe, Chemically Inert, and Odor Free

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



PTFE Paste Pt # OXY-PTFE-8



PTFE Tape Pt # TAPE-1

Part #	Description
TAPE-1	1/4" PTFE Tape
TAPE-2	1/2" PTFE Tape
TAPE-34	3/4" PTFE Tape
TAPE-3	1" PTFE Tape
OXY-PTFE-8	PTFE Paste
TAPE-2-GREEN	1/2" x 520" Green PTFE Tape
TAPE-34-GREEN	3/4" x 520" Green PTFE Tape

Acetylene Plugs | Locking Caps | Status Tags

Valve Plugs for Mc Acetylene and B Acetylene



Pt # PP-MC



Pt # PP-B



B Acetylene
CGA 520

Fuel Gases Pouch

Designed to fit the larger collar of fuel gas cylinders.



Pt # CP-338

Tamper-Evident Pull Tab Style

Mc Acetylene
CGA 200

Part #	Description	Pt # Pkg. of 100	Pt # Pkg. of 1000
PP-MCPK500	Mc Acetylene CGA 200	(Pt # PP-MCPK100)	(Pt # PP-MCPK1000)
PP-BPK500	B Acetylene CGA 520	(Pt # PP-BPK100)	(Pt # PP-BPK1000)

Acetylene Locking Caps

Comes with padlock



D.O.T. Approved

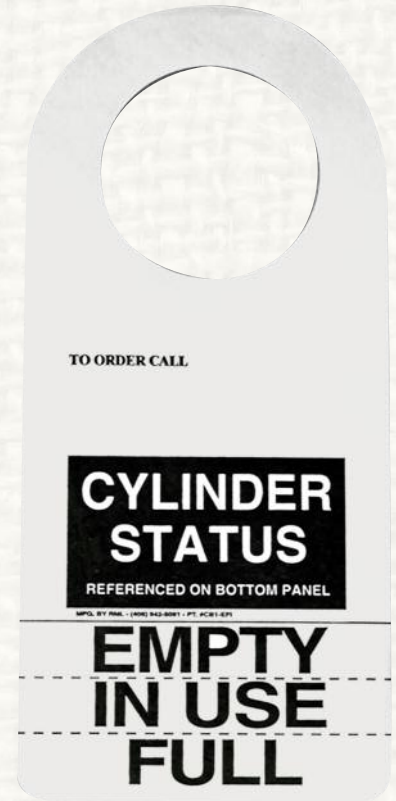
Part #	Description	Thread
SC2CNNP	Acetylene*	Coarse Thread – 6.5" 3 1/2 x 11UN
SC2FNNP	Acetylene	Fine Thread – 6.5" 3 1/2 x 11UN

* Most common thread style

Acetylene Status Tags

- Holds up in the rain and wind
- Keep track of cylinder in storage or while in use
- Identify with ease when ready for pickup

Pt # CB-ACT



Part #	Description	Pt # Pkg. of 100
CB-ACTPK1000	Acetylene Status Tags	(Pt # CB-ACTPK100)

Acetylene Cylinder Replacement Felts & Screens

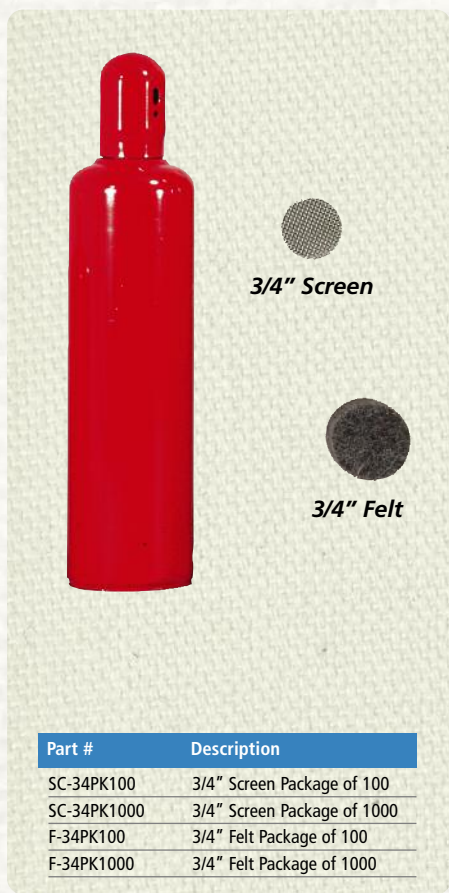


Mc Acetylene
CGA 200

B Acetylene
CGA 520

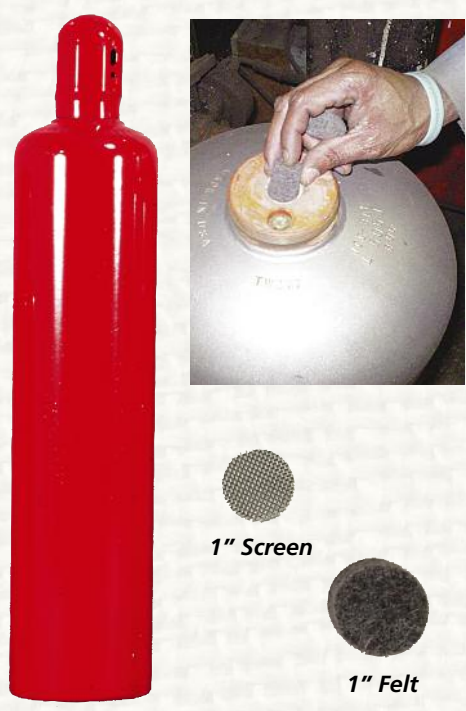
3/8" Screen

3/8" Felt



3/4" Screen

3/4" Felt



1" Screen

1" Felt

Part #	Description
SC-38PK100	3/8" Screen Package of 100
SC-38PK1000	3/8" Screen Package of 1000
F-38PK100	3/8" Felt Package of 100
F-38PK1000	3/8" Felt Package of 1000

Part #	Description
SC-34PK100	3/4" Screen Package of 100
SC-34PK1000	3/4" Screen Package of 1000
F-34PK100	3/4" Felt Package of 100
F-34PK1000	3/4" Felt Package of 1000

Part #	Description
SC-1PK100	1" Screen Package of 100
SC-1PK1000	1" Screen Package of 1000
F-1PK100	1" Felt Package of 100
F-1PK1000	1" Felt Package of 1000



Caps Unpainted
6 1/2" - 3 1/8-7




Caps Painted Gray
6 1/2" - 3 1/8-7

Acetylene Cylinder Caps


Coarse Thread is most common.
Number of threads per inch for Coarse is 7 threads to an inch and Fine is 11 threads to an inch.
Cap I.D. is 3 1/2"

INSIDE CAP CYLINDER THREADS

Fine Thread:
11 threads to an inch
Cap I.D. is 3 1/2"



Coarse Thread:
7 threads to an inch



Acetylene Cylinder Caps Unpainted

Part #	Description
2FRNP	Fine Thread
2CRNP	Coarse Thread

*24 Pieces to a Case Pricing Per Each

Painted - Coarse Thread

Part #	Color
2CRNP-08	White
2CRNP-02	Black
2CRNP-06	Gray

Painted - Fine Thread

Part #	Color
2FRNP-08	White
2FRNP-02	Black
2FRNP-06	Gray

Fine Thread Cap

Part #	Color
Cap-12	Yellow



Pt # Cap-12

Fine Thread Collar

Collar protects Acetylene valve while regulator is attached.

D.O.T. Approved






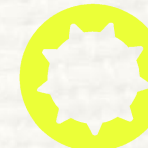










Caps for Acetylene Cylinders

Acetylene Cylinder Collars





Collars for Capped
Acetylene Cylinders
5 1/2" diameter



Standard Collar Colors are Available in Packs of 10 (PK10) and Packs of 50 (PK50)

						
Semi Clear Part Numbers AC-C	White Part Numbers AC-W	Beige Part Numbers AC-BG	Yellow Part Numbers AC-Y	Dark Green Part Numbers AC-DG	Light Blue Part Numbers AC-LB	Blue Part Numbers AC-B
AC-CPK10 AC-CPK50	AC-WPK10 AC-WPK50	AC-BGPK10 AC-BGPK50	AC-YPK10 AC-YPK50	AC-DGPK10 AC-DGPK50	AC-LBPK10 AC-LBPK50	AC-BPK10 AC-BPK50
						
Dark Blue Part Numbers AC-DB	Orange Part Numbers AC-O	Red Part Numbers AC-R	Purple Part Numbers AC-P	Brown Part Numbers AC-BR	Gray Part Numbers AC-GY	Black Part Numbers AC-BL
AC-DBPK10 AC-DBPK50	AC-OPK10 AC-OPK50	AC-RPK10 AC-RPK50	AC-PPK10 AC-PPK50	AC-BRPK10 AC-BRPK50	AC-GYPK10 AC-GYPK50	AC-BLPK10 AC-BLPK50

Special Collar Colors are Available in Packs of 10 and Packs of 50

			
Fluorescent Orange Part Numbers AC-FO	Hot Pink Part Numbers AC-HP	Lime Green Part Numbers AC-LG	Pink Part Numbers AC-PK
Package of 10 AC-FOPK10	Package of 10 AC-HPPK10	Package of 10 AC-LGPK10	Package of 10 AC-PKPK10
Package of 50 AC-FOPK50	Package of 50 AC-HPPK50	Package of 50 AC-LGPK50	Package of 50 AC-PKPK50

Note:
Fluorescent Orange and Hot Pink are susceptible to fading with prolonged exposure to UV light.

Note: All colors shown are printed representations. Actual colors may vary.

Custom Imprinted Acetylene Collars are Available

Develop a Customized Cylinder Management System for Your Organization.



For your custom imprint part number, select your desired color and fill-in the part number below.

Pt # AC_ _-CI

See page 5A-29 for Ordering Details Fill Out Order and fax to 1-800-264-7797.

GV Series: Cylinder Valves CGA 510 Acetylene 500 PSI

CGA 510
Acetylene
Valve
P.O.L.



Pt # SHW-GV51060

CGA 510
Vertical



Pt # SHW-GVT51060

Part #	ACETYLENE VALVE CGA 510
SHW-GV51060	Acetylene Valve CGA 510 P.O.L. 3/4" NGT
SHW-GV51080	Acetylene Valve CGA 510 P.O.L. 1"-11 1/2 NGT
SHW-GVT51060	Vertical CGA 510 3/4" NGT, No Safety HW Operated

GV Series: Cylinder Valves

CGA 300

Ethyl Chlorides (R160)
Formally Commerical
Acetylene 500 PSI



Pt # SHW-GV30060

CGA 300 Acetylene
Commercial Valve
with double O-Ring

Part #	ACETYLENE VALVE COMMERCIAL CGA 300
SHW-GV30060	Acetylene Valve Commercial CGA 300 3/4" NGT

GV Series: Cylinder Valves CGA 200 "MC" Size Acetylene 500 PSI

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



Pt # RVB-200H-LF-HW

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

Acetylene Valve MC

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



Pt # SHW-AVMC201

Part #	ACETYLENE VALVE MC
SHW-AVMC201	Acetylene Valve MC 3/8" NGT

GV Series: Cylinder Valves CGA 520 "B" Size Acetylene 500 PSI

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



Pt # RVB-520H-LF-HW

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

Acetylene Valve B

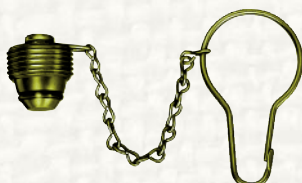
Packed Valve for "B" Cylinders up to
40 cubic feet capacity



Pt # SHW-AVB521

Part #	ACETYLENE VALVE B
SHW-AVB521	Acetylene Valve B 3/8" NGT
SHW-GV30060	Acetylene Commercial Valve CGA 300 3/4" NGT

Gas Tight Brass Plug & Chain Assemblies for CGA 510 Acetylene



Gas tight one piece plug
and chain assembly
Pt # FIT-OPC-510



Gas tight two piece plug
and chain assembly
Pt # FIT-2PC-510

CGA 510
Acetylene-LH-External – 250 P.S.I.G.
Propane-LH-External – 500 P.S.I.G.

Fusible Plugs

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



Part #	Material	Thread Size	Fuse Metal
PLG-A18165-B	Brass	1/8" NPT	165° F
PLG-A18212-B	Brass	1/8" NPT	212° F
PLG-A14165-B	Brass	1/4" NPT	165° F
PLG-A14212-B	Brass	1/4" NPT	212° F
PLG-A38165-B	Brass	3/8" NPT	165° F
PLG-A38212-B	Brass	3/8" NPT	212° F

Hoses for the Following Gas



PTFE Lined Stainless Steel Braided Acetylene Pigtails with a Conductive Liner | 3,000 PSI

Ratermann Mfg. FPB Family of Hoses

Our Conductive Lined virgin PTFE tubing, over braided with stainless steel have a conductive inner line to dissipate static electrical charges. High resistivity fluids or gases at high velocity cause positive electrical charges to build on the inside of the PTFE liner. If not dissipated to the end of the hose, the charge will build until it arcs through the tube wall to braid, causing catastrophic hose failure.

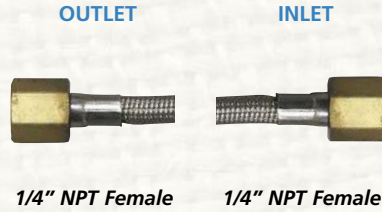


STANDARD – These PTFE core pigtails surpass the requirements of CGA E.9. Each pigtail is pressure tested on 1-1/2 times working pressure of 3,000 PSI.



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 hose whip reduction.

(Oxygen hoses are cleaned, capped, bagged, & certified clean for oxygen service per CGA G-4.1.)



Standard Hose without Armor Casing

With Armor Casing Anti-Kink, Anti-Whip

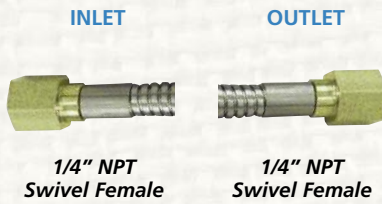
1/4" NPT Female x 1/4" NPT Female

Hose Length	Part #	Hose Length	Part #
24"	FPB-24F14	24"	FPBA-24F14
36"	FPB-36F14	36"	FPBA-36F14
48"	FPB-48F14	48"	FPBA-48F14
72"	FPB-72F14	72"	FPBA-72F14
10'	FPB-120F14	10'	FPBA-120F14
20'	FPB-240F14	20'	FPBA-240F14



1/4" NPT Female x 1/4" NPT Male

Hose Length	Part #	Hose Length	Part #
24"	FPB-24F14M14	24"	FPBA-24F14M14
36"	FPB-36F14M14	36"	FPBA-36F14M14
48"	FPB-48F14M14	48"	FPBA-48F14M14
72"	FPB-72F14M14	72"	FPBA-72F14M14
10'	FPB-120F14M14	10'	FPBA-120F14M14
20'	FPB-240F14M14	20'	FPBA-240F14M14



1/4" NPT Swivel Female x 1/4" NPT Swivel Female

Hose Length	Part #	Hose Length	Part #
24"	FPB-24F14S	24"	FPBA-24F14S
36"	FPB-36F14S	36"	FPBA-36F14S
48"	FPB-48F14S	48"	FPBA-48F14S



1/4" NPT Male Non-Swivel End x 1/4" NPT Swivel Female

Hose Length	Part #	Hose Length	Part #
24"	FPB-24M14F14S	24"	FPBA-24M14F14S
36"	FPB-36M14F14S	36"	FPBA-36M14F14S
48"	FPB-48M14F14S	48"	FPBA-48M14F14S







* Only Female NPT ends swivel. Male NPT ends do not rotate.

Custom Length Hoses – PTFE LINED 3,000 PSI

All hoses are cleaned for Oxygen Service

ORDER CUSTOM LENGTH HOSE for PTFE LINED SS BRAIDED ACETYLENE PIGTAILS

Custom length hoses are not returnable for either credit or refund.

PTFE Hose FPB <input type="checkbox"/> Armor Pt # A <input type="checkbox"/> Non-Armor (leave blank)	With or Without Armor Casing <input type="checkbox"/> Armor Pt # A <input type="checkbox"/> Non-Armor (leave blank)	Length Hose <input type="checkbox"/> Inches Pt # _____	INLET Choose Your Hose End Pt #		OUTLET Choose Your Hose End Pt #	
			1/4" NPT Male Pt # M14  1/4" NPT Female Pt # F14  1/4" NPT Pt # F14S  Swivel Female	1/4" NPT Male Pt # M14  1/4" NPT Female Pt # F14  1/4" NPT Pt # F14S  Swivel Female		
FPB	→	→	→	→	→	→