

POLY[®] CONN

Servicing Your Pneumatic Needs For Over 40 Years

BALL VALVES

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QUESTIONS

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Features and Specifications for Heavy Duty Full Port Ball Valves

Features and Specifications for Auto Drain Safety Exhaust Ball Valves

FEATURES

USES

- Forged Brass Construction
- Blow Out Proof Stem
- Chrome Plated Brass Ball
- PTFE Seat Ring
- Adjustable stem packing nut for 1/4" to 1-1/4"
- O-Ring Sealing on 1-1/2" & 2"
- Steel Handle with Vinyl Grip

- Air, inert gas, and liquid applications.
- Drains and vents in liquid, inert gas, and other fluid services
- Steam service

FEATURES

USES

- Forged Brass Construction
- Blow Out Proof Stem
- Chrome Plated Brass Ball
- Teflon Seals
- Threaded (10-32) Automatic Vent
- Auto Drain Ports for Relieving Down Stream
- Pressure When in the Closed Position
- Lockable Steel Handle w/Vinyl Grip
- Use 9/32" Lock, Lock Not Included

- Air, inert gas, and liquid applications
- Threaded auto-drain port for relieving downstream pressure when in closed position.
- Locking handle prevents unauthorized adjustment.

SPECIFICATIONS

TEMPERATURE RANGE	PSI	VACUUM RATING
-20°F to +370°F	600 CWP 150 WSP	To 29.9" Hg

SPECIFICATIONS

TEMPERATURE RANGE	PSI	VACUUM RATING
-20°F to +370°F	1/4" - 1": 300 CWP, 150 WSP 1-1/4" & Up: 200 CWP, 150 WSP	Up to 29.9" Hg



Part #	NPT (F)	Material	QTY
PCHBV-04	1/4"	BRASS	1
PCHBV-06	3/8"	BRASS	1
PCHBV-08	1/2"	BRASS	1
PCHBV-12	3/4"	BRASS	1
PCHBV-16	1"	BRASS	1
PCHBV-20	1-1/4"	BRASS	1
PCHBV-24	1-1/2"	BRASS	1
PCHBV-32	2"	BRASS	1

Part #	NPT (MxF)	Material	QTY
PCMBV-04	1/4"	BRASS	1
PCMBV-06	3/8"	BRASS	1
PCMBV-08	1/2"	BRASS	1
PCMBV-12	3/4"	BRASS	1
PCMBV-16	1"	BRASS	1
PCMBV-20	1-1/4"	BRASS	1
PCMBV-24	1-1/2"	BRASS	1
PCMBV-32	2"	BRASS	1

Part #	NPT (F)	Material	QTY
PCADV-04	1/4"	BRASS	1
PCADV-06	3/8"	BRASS	1
PCADV-08	1/2"	BRASS	1
PCADV-12	3/4"	BRASS	1
PCADV-16	1"	BRASS	1
PCADV-20	1-1/4"	BRASS	1
PCADV-24	1-1/2"	BRASS	1
PCADV-32	2"	BRASS	1



Approved

Features and Specifications for General Purpose Full Port Nickel Plated Brass Ball Valves

Features and Specifications for Mini Chrome Plated Brass Ball Valves

FEATURES

USES

- Forged Brass Construction
- Full Port
- PTFE Ball Seats
- Blow Out Proof Brass Stem
- Chrome Plated Brass Ball
- Steel Handle w/Vinyl Grip

- Air, inert gas, and liquid applications
- General purpose ball valve, standard quarter turn operation.
- Ideal for controlling flow.

SPECIFICATIONS

TEMPERATURE RANGE	PSI	VACUUM RATING
-20°F to +365°F	600 CWP 150 WSP	Up to 29.9" Hg

FEATURES

USES

- One Piece Brass Nickel Plated Body
- Blow Out Proof Stem
- Chrome Plated Brass Ball
- Viton O-Ring
- Double seals allow valve to be operated in either direction
- Polycarbonate Wedge Handle

- Air, inert gas, and liquid applications
- Has an internal stop for panel mount application.
- Double seal allows valve to be operated in both directions for ease in installation.

SPECIFICATIONS

TEMPERATURE RANGE	PSI	VACUUM RATING
-4°F to +370°F	450 CWP 150 WSP	Up to 29.9" Hg



Part #	NPT (F)	Material	QTY
PCFPC-04	1/4"	NICKEL BRASS	1
PCFPC-06	3/8"	NICKEL BRASS	1
PCFPC-08	1/2"	NICKEL BRASS	1
PCFPC-12	3/4"	NICKEL BRASS	1
PCFPC-16	1"	NICKEL BRASS	1
PCFPC-20	1-1/4"	NICKEL BRASS	1
PCFPC-24	1-1/2"	NICKEL BRASS	1
PCFPC-32	2"	NICKEL BRASS	1

Part #	NPT (MxF)	Material	QTY
PCMPC-04	1/4"	NICKEL BRASS	1
PCMPC-06	3/8"	NICKEL BRASS	1
PCMPC-08	1/2"	NICKEL BRASS	1
PCMPC-12	3/4"	NICKEL BRASS	1
PCMPC-16	1"	NICKEL BRASS	1

Part #	NPT (F)	Material	QTY
PCSBV-02	1/8"	NICKEL BRASS	1
PCSBV-04	1/4"	NICKEL BRASS	1
PCSBV-06	3/8"	NICKEL BRASS	1
PCSBV-08	1/2"	NICKEL BRASS	1

Part #	NPT (MxF)	Material	QTY
PCSMV-02	1/8"	NICKEL BRASS	1
PCSMV-04	1/4"	NICKEL BRASS	1
PCSMV-06	3/8"	NICKEL BRASS	1
PCSMV-08	1/2"	NICKEL BRASS	1

Features and Specifications for General Purpose Full Port Nickel Plated Brass Ball Valves with Locking Handle

Features and Specifications for Two Piece 316 Stainless Steel Full Port Ball Valves

FEATURES

USES

- Forged Brass Body Nickel Plated
- Full Port
- PTFE Ball Seats
- Blow Out Proof Brass Stem
- Chrome Plated Brass Ball
- Steel Locking Handle w/Vinyl Grip

- Air, inert gas, and liquid applications
- General purpose ball valve features locking handle which helps eliminate unauthorized adjustment.

FEATURES

USES

- Two Piece 316 Stainless Steel Construction
- Full Port
- PTFE Seats and Seals
- Blow Out Proof Brass Stem
- Stainless Steel Ball and Stem
- 304 Stainless Steel Lever Handle w/Vinyl Grip
- Air, inert gas, and liquid applications

SPECIFICATIONS

TEMPERATURE RANGE	PSI	VACUUM RATING
-20°F to +365°F	600 CWP 150 WSP	Up to 29.9" Hg

SPECIFICATIONS

TEMPERATURE RANGE	PSI	VACUUM RATING
-20°F to +425°F	1000 CWP 150 WSP	Up to 29.9" Hg



Part #	NPT (F)	Material	QTY
PCLBV-04	1/4"	NICKEL BRASS	1
PCLBV-06	3/8"	NICKEL BRASS	1
PCLBV-08	1/2"	NICKEL BRASS	1
PCLBV-12	3/4"	NICKEL BRASS	1
PCLBV-16	1"	NICKEL BRASS	1

Part #	NPT (MxF)	Material	QTY
PCMLBV-04	1/4"	NICKEL BRASS	1
PCMLBV-06	3/8"	NICKEL BRASS	1
PCMLBV-08	1/2"	NICKEL BRASS	1
PCMLBV-12	3/4"	NICKEL BRASS	1
PCMLBV-16	1"	NICKEL BRASS	1

Part #	NPT (F)	Material	QTY
PCSSBV-04	1/4"	STAINLESS STEEL	1
PCSSBV-06	3/8"	STAINLESS STEEL	1
PCSSBV-08	1/2"	STAINLESS STEEL	1
PCSSBV-12	3/4"	STAINLESS STEEL	1
PCSSBV-16	1"	STAINLESS STEEL	1

Features and Specifications for Composite Shut Off Valve

TEMPERATURE RANGE	PSI
32°F to +140°F (0°C to 60°C)	Up to 150 PSI



Part #	Push-In	QTY
PCSV-11CB	5/32"	2
PCSV-44CB	1/4"	2
PCSV-55CB	5/16"	2
PCSV-66CB	3/8"	2
PCSV-88CB	1/2"	2

Features and Specifications for Quick Exhaust Valves

Polyconn's quick exhaust valves are designed for the rapid purge of air exhaust from pneumatic system. They are most commonly used at cylinder ports to significantly increase cylinder speed, particularly in return cycles. These valves can also be used for applications where a quick alleviation of air pressure or exhaust would be advantageous.

SPECIFICATIONS		
TEMPERATURE RANGE	PSI	MATERIAL
-4°F to +176°F (-20°C to 80°C)	Up to 145 PSI	Forged Nickel Plated Brass



Part #	NPT (F)	Material	QTY
PCQE-02	1/8"	NICKEL BRASS	1
PCQE-04	1/4"	NICKEL BRASS	1
PCQE-06	3/8"	NICKEL BRASS	1
PCQE-08	1/2"	NICKEL BRASS	1
PCQE-12	3/4"	NICKEL BRASS	1
PCQE-16	1"	NICKEL BRASS	1

Now that you have your Valves, don't forget your tubing! And check out our other lines of Push to Connect Fittings!



Polyconn Tubing:
Polyurethane, Nylon,
Polyethylene and many
more materials to choose
from!

Push to Connect Fittings:
Composite
NSF Acetal Plastic
Nickel Plated Brass
Stainless Steel
D.O.T. Brass
D.O.T Composite

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pneumatic needs.**