

# POLY CONN<sup>®</sup>

**Master W*AIR*house<sup>®</sup>**

*Fluid Power Products*

## BALL VALVES

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### QUESTIONS

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# Features and Specifications for Heavy Duty Full Port Ball Valves

## FEATURES

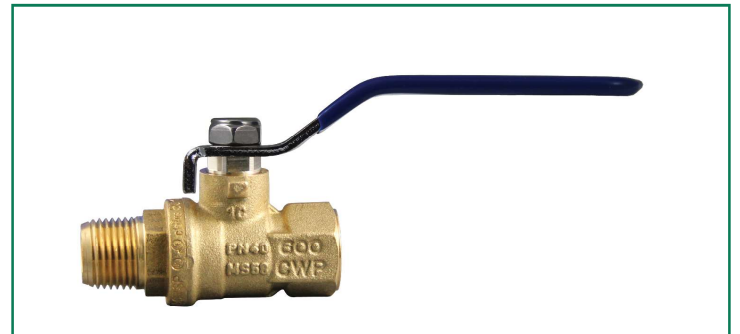
- Forged Brass Construction
- Blow Out Proof Stem
- Chrome Plated Brass Ball
- PTFE Seat Ring
- Adjustable stem packing nut for 1/4" to 1-1/4"
- O-Ring Sealing on 1-1/2" & 2"
- Steel Handle with Vinyl Grip

## USES

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

## SPECIFICATIONS

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



Part #	NPT (F)	Material	QTY	List Price
PCHBV-04	1/4"	BRASS	1	\$ 10.25
PCHBV-06	3/8"	BRASS	1	\$ 10.25
PCHBV-08	1/2"	BRASS	1	\$ 16.03
PCHBV-12	3/4"	BRASS	1	\$ 22.11
PCHBV-16	1"	BRASS	1	\$ 41.72
PCHBV-20	1-1/4"	BRASS	1	\$ 63.39
PCHBV-24	1-1/2"	BRASS	1	\$ 91.11
PCHBV-32	2"	BRASS	1	\$ 147.25

Part #	NPT (MxF)	Material	QTY	List Price
PCMBV-04	1/4"	BRASS	1	\$ 10.58
PCMBV-06	3/8"	BRASS	1	\$ 10.58
PCMBV-08	1/2"	BRASS	1	\$ 15.36
PCMBV-12	3/4"	BRASS	1	\$ 22.86
PCMBV-16	1"	BRASS	1	\$ 40.22
PCMBV-20	1-1/4"	BRASS	1	\$ 57.83
PCMBV-24	1-1/2"	BRASS	1	\$ 83.86
PCMBV-32	2"	BRASS	1	\$ 146.89



Approved

# Features and Specifications for Auto Drain Safety Exhaust Ball Valves

## FEATURES

- 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

## USES

- 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	<b>1/4" -1":</b> 300 CWP, 150 WSP <b>1-1/4" &amp; Up:</b> 200 CWP, 150 WSP	Up to 29.9" Hg



Part #	NPT (F)	Material	QTY	List Price
PCADV-04	1/4"	BRASS	1	\$ 12.50
PCADV-06	3/8"	BRASS	1	\$ 13.11
PCADV-08	1/2"	BRASS	1	\$ 17.61
PCADV-12	3/4"	BRASS	1	\$ 24.42
PCADV-16	1"	BRASS	1	\$ 39.81
PCADV-20	1-1/4"	BRASS	1	\$ 69.56
PCADV-24	1-1/2"	BRASS	1	\$ 101.17
PCADV-32	2"	BRASS	1	\$ 162.36

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

## FEATURES

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

## USES

- 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



Part #	NPT (F)	Material	QTY	List Price
PCFPC-04	1/4"	NICKEL BRASS	1	\$ 9.22
PCFPC-06	3/8"	NICKEL BRASS	1	\$ 9.22
PCFPC-08	1/2"	NICKEL BRASS	1	\$ 13.28
PCFPC-12	3/4"	NICKEL BRASS	1	\$ 21.25
PCFPC-16	1"	NICKEL BRASS	1	\$ 31.33
PCFPC-20	1-1/4"	NICKEL BRASS	1	\$ 52.53
PCFPC-24	1-1/2"	NICKEL BRASS	1	\$ 74.53
PCFPC-32	2"	NICKEL BRASS	1	\$ 107.11

Part #	NPT (MxF)	Material	QTY	List Price
PCMPC-04	1/4"	NICKEL BRASS	1	\$ 8.47
PCMPC-06	3/8"	NICKEL BRASS	1	\$ 8.47
PCMPC-08	1/2"	NICKEL BRASS	1	\$ 13.53
PCMPC-12	3/4"	NICKEL BRASS	1	\$ 20.47
PCMPC-16	1"	NICKEL BRASS	1	\$ 32.36

# Features and Specifications for Mini Chrome Plated Brass Ball Valves

## FEATURES

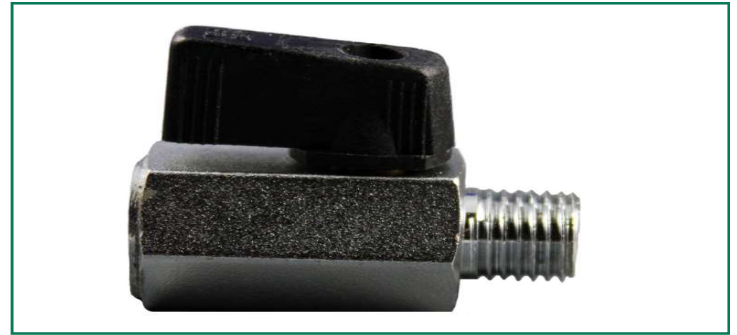
- One Piece Brass Nickel Plated Body
- Blow Out Proof Stem
- Chrome Plated Brass Ball
- Viton O-Ring
- Double seals allow valve to be operated in either direction
- Polycarbonate Wedge Handle

## USES

- 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	List Price
PCSBV-02	1/8"	NICKEL BRASS	1	\$ 11.06
PCSBV-04	1/4"	NICKEL BRASS	1	\$ 11.06
PCSBV-06	3/8"	NICKEL BRASS	1	\$ 11.06
PCSBV-08	1/2"	NICKEL BRASS	1	\$ 13.89

Part #	NPT (MxF)	Material	QTY	List Price
PCSMV-02	1/8"	NICKEL BRASS	1	\$ 11.06
PCSMV-04	1/4"	NICKEL BRASS	1	\$ 11.06
PCSMV-06	3/8"	NICKEL BRASS	1	\$ 11.06
PCSMV-08	1/2"	NICKEL BRASS	1	\$ 13.89

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

## FEATURES

- 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

## USES

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

## SPECIFICATIONS

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



Part #	NPT (F)	Material	QTY	List Price
PCLBV-04	1/4"	NICKEL BRASS	1	\$ 9.22
PCLBV-06	3/8"	NICKEL BRASS	1	\$ 9.22
PCLBV-08	1/2"	NICKEL BRASS	1	\$ 13.64
PCLBV-12	3/4"	NICKEL BRASS	1	\$ 22.14
PCLBV-16	1"	NICKEL BRASS	1	\$ 32.22

Part #	NPT (MxF)	Material	QTY	List Price
PCMLBV-04	1/4"	NICKEL BRASS	1	\$ 8.75
PCMLBV-06	3/8"	NICKEL BRASS	1	\$ 8.75
PCMLBV-08	1/2"	NICKEL BRASS	1	\$ 13.94
PCMLBV-12	3/4"	NICKEL BRASS	1	\$ 21.06
PCMLBV-16	1"	NICKEL BRASS	1	\$ 33.28

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

## FEATURES

- 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

## USES

- Air, inert gas, and liquid applications

## 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	List Price
PCSSBV-04	1/4"	STAINLESS STEEL	1	\$ 40.69
PCSSBV-06	3/8"	STAINLESS STEEL	1	\$ 40.69
PCSSBV-08	1/2"	STAINLESS STEEL	1	\$ 45.53
PCSSBV-12	3/4"	STAINLESS STEEL	1	\$ 57.69
PCSSBV-16	1"	STAINLESS STEEL	1	\$ 84.81

# 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	List Price	QTY	Pkg. Price
PCSV-11CB	5/32"	\$ 5.77	2	\$ 11.53
PCSV-44CB	1/4"	\$ 6.03	2	\$ 12.05
PCSV-55CB	5/16"	\$ 6.18	2	\$ 12.36
PCSV-66CB	3/8"	\$ 10.08	2	\$ 20.16
PCSV-88CB	1/2"	\$ 11.22	2	\$ 22.44



# 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	List Price
PCQE-02	1/8"	NICKEL BRASS	1	\$ 10.75
PCQE-04	1/4"	NICKEL BRASS	1	\$ 13.17
PCQE-06	3/8"	NICKEL BRASS	1	\$ 15.50
PCQE-08	1/2"	NICKEL BRASS	1	\$ 22.28
PCQE-12	3/4"	NICKEL BRASS	1	\$ 30.56
PCQE-16	1"	NICKEL BRASS	1	\$ 290.39

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



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Polyethylene and many  
more materials to choose  
from!

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NSF Acetal Plastic  
Nickel Plated Brass  
Stainless Steel  
D.O.T. Brass  
D.O.T Composite

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pneumatic needs.**