

BOSHART INDUSTRIES

Plumbing Valves



COMMITTED TO EXCELLENCE



Dedicated Sales Rep for Your Area



97% Fill Rate



Shipping within 24 Hours



State of the Art Warehouse System



Technical Support



Quality Control Program

BRASS AND NO LEAD BRASS FULL PORT BALL VALVES

0827-NL Series 1/4" - 4" Threaded (FPT)

0827C-NL Series 1/2" - 4" CxC (Sweat)

0827* Series 1/4" - 4" Threaded (FPT)

0827C* Series 1/2" - 4" CxC (Sweat)

- 1/4" thru 2" rated 600 PSI CWP, 2-1/2" thru 4" rated 400 PSI CWP
 - WSP (Working Steam Pressure) Rating: 150 PSI Saturated Steam
 - Max Temp Rating: 300°F (150°C)
 - Solid Stainless Steel Ball - sizes 1/4" through 1"
 - Hollow Stainless Steel Ball - sizes 1-1/4" through 4"
 - Forged brass body
 - Blow-out proof stem
 - PTFE Seats / PTFE Stem packing
 - Zinc plated steel handle with yellow plastic sleeve
 - NSF/ANSI Standard 61 & 372* Certified (* no lead series only)
 - cUPC Standard IGC 157 Certified: 1/4" to 2" FPT and CxC
 - CSA listed to the following standards, applies to 1/4" to 2" FPT only
 - ANSI Z21.15 & CGA 9.1: 1/2 PSIG (1/2PSI)
 - ASME B16.44 & CGA/CR91-002: 5 PSIG (5G)
 - ASME B16.33 & CAN/CGA 3.16 : 125 PSIG (BRS125G / CAN 3.16)
 - UL listed to the following standards, 1/4" to 2" FPT and CxC
 - UL 1477 (YQNZ): Compressed gas shutoff valves - 600 PSI (1/4" to 1") 300 PSI (1-1/4" to 2")
 - UL 842 (YRBX): Flammable liquid shutoff valves - 600 PSI (1/4" to 1") 300 PSI (1-1/4" to 2")
 - UL 842 (YRPV): Gas shutoff valves - 600 PSI (1/4" to 1") 300 PSI (1-1/4" to 2")
 - UL 842 (MHKZ): Manual valves - 600 PSI (1/4" to 1") 300 PSI (1-1/4" to 2")
 - UL 125 (YSDT): LP-Gas shutoff valves - 600 PSI (1/4" to 1") 300 PSI (1-1/4" to 2")
 - FM Standard 1140 Certified: 1/4" to 2" FPT and CxC
- * 0827 & 0827C Series Not for Conveying Potable Water

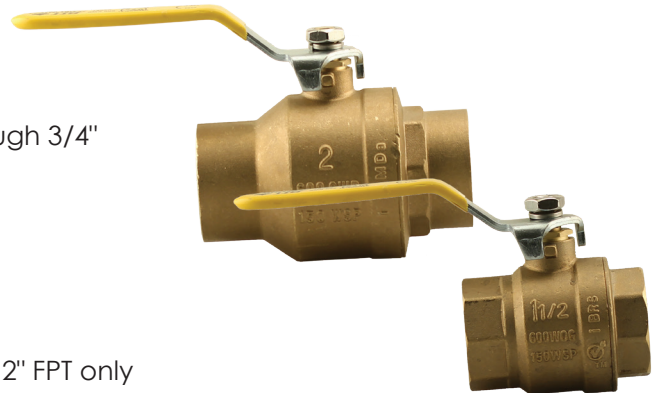


NO LEAD BRASS FULL PORT BALL VALVES

0825-NL Series 1/4" - 2" Threaded (FPT)

0825C-NL Series 1/2" - 2" CxC (Sweat)

- Threads conform to ANSI / ASME B1.20.1
- 1/4" thru 2" rated 600 PSI CWP
- Temperature Range: -20 to 300°F (-28 to 150°C)
- Solid Chrome Plated No Lead Brass Ball - sizes 1/4" through 3/4"
- Cored Stainless Steel Ball - sizes 1" through 2"
- Forged full port brass body
- PTFE Seats / PTFE Stem Packing
- Blow-out proof stem
- Zinc plated steel handle with yellow plastic sleeve
- NSF/ANSI Standard 61 & 372 Certified
- cUPC Standard IGC 157 Certified
- CSA listed to the following standards, applies to 1/4" to 2" FPT only
- ASME B16.44 & CGA/CR91-002: 5 PSIG (5G)



NO LEAD BRASS FULL PORT BALL VALVE WITH DRAIN

082WD-NL Series 1/2" - 1" Threaded (FPT)

- Max Pressure Rating: 600 PSI CWP
- Max Temp Rating: 300°F (150°C)
- Chrome plated ball
- Forged brass body
- Blow-out proof stem
- Zinc plated steel handle with blue plastic sleeve
- PTFE Seats / PTFE Stem packing
- NSF/ANSI Standard 61 & 372 Certified
- cUPC Standard IGC 157 Certified



NOTE: Replacement handles are available. Please contact your Sales Rep.

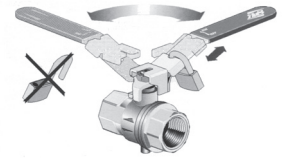
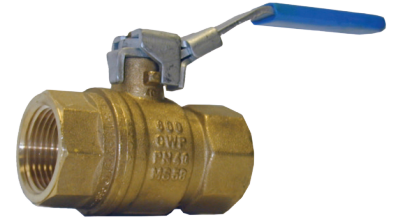
BALL VALVES



BRASS FULL PORT FORGED LOCKING HANDLE BALL VALVES

0826LH Series 1/4" - 4" Threaded (FPT)

- 1/4" thru 2" rated 600 PSI CWP, 2-1/2" thru 4" rated 450 PSI CWP
 - WSP (Working Steam Pressure) Rating: 150 PSI Saturated Steam
 - Max Temp Rating: 350°F (176°C)
 - Chrome plated ball
 - Forged brass body
 - Blow-out proof nickel plated stem
 - Zinc plated steel locking handle with blue plastic sleeve
 - PTFE Seats / Two Viton O-rings at the stem for maximum safety
 - Manufactured according to MSS SP-110
 - NSF/ANSI Standard 61 Certified
 - CSA listed to the following standards, applies to 1/4" to 2"
 - ANSI Z21.15 & CGA 9.1: 1/2 PSIG (1/2PSI)
 - ASME B16.44 & CGA/CR91-002: 5 PSIG (5G)
 - ASME B16.33 & CAN/CGA 3.16 : 125 PSIG (BRS125G / CAN 3.16)
 - UL listed to the following standards,
 - UL 258 (VQGU): Trim and drain valves - 600 PSI (1/4" to 2")
 - UL 1477 (YQNZ): Compressed gas shutoff valves - 600 PSI (1/4" to 2") 450 PSI (2-1/2" to 4")
 - UL 842 (YRBX): Flammable liquid shutoff valves - 600 PSI (1/4" to 2") 250 PSI (2-1/2" to 4")
 - UL 842 (YRPV): Gas shutoff valves - 600 PSI (1/4" to 2") 250 PSI (2-1/2" to 4")
 - UL 842 (MHKZ): Manual valves - 600 PSI (1/4" to 2") 250 PSI (2-1/2" to 4")
 - UL 125 (YSDT): LP-Gas shutoff valves - 600 PSI (1/4" to 2") 450 PSI (2-1/2" to 4")
 - CRN Registered 0C0966
- * 0826LH Series Not for Conveying Potable Water

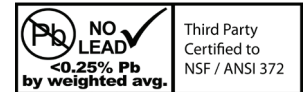


NO LEAD BRASS STANDARD PORT COMPRESSION BALL VALVES

082CPND-NL Series 1/2" - 1" Compression No Drain

082CP-NL Series 1/2" - 1" Compression c/w Drain

- Max Pressure Rating: 200 PSI CWP
- Max Temp Rating: 300°F (150°C)
- Forged brass body
- Chrome plated ball
- Zinc plated steel handle with blue plastic sleeve
- PTFE Seats / PTFE Stem packing
- Blow-out proof stem
- NSF/ANSI Standard 61 & 372 Certified
- cUPC Standard IGC 157 Certified



Standard compression valves can be used to make connections between Copper, Brass, Aluminum, Plastic, CPVC & Pex tubing. Not recommended for use with steel tubing. They are designed for use with tube manufactured to CTS-OD copper tubing sizes (outside diameter controlled). NOTE: A brass insert must be inserted into Soft Copper, Aluminum, Plastic, CPVC & Pex tubing to put 360° of even pressure on the tubing, to make a round rigid profile that will ensure a tight seal.

NOTE: Handles are available. Please contact your Sales Rep.

NO LEAD BRASS STANDARD PORT PUSH FIT BALL VALVES

082PF-NL Series 1/2" - 1" Push Fit (PF)

082PF-WDNL Series 1/2" - 1" Push Fit with Drain

- Max Pressure Rating: 200 PSI WOG
- Max Temp Rating: 200°F (93°C)
- Forged brass body
- Blow-out proof stem
- Chrome plated ball
- PTFE Seats / PTFE Stem packing
- Zinc plated steel handle with blue plastic sleeve
- Stainless steel gripper ring and EPDM O-ring seal for Copper, PEX, CPVC installation
- Integral tube stiffener for PEX installations
- NSF/ANSI Standard 61 & 372 Certified
- ASSE Standard 1061-2006 Certified

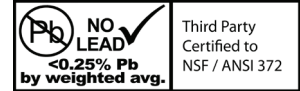


NO LEAD BRASS STANDARD PORT PEX BALL VALVES

0821P-NL Series 3/8" - 1" PEX

0821WDP-NL Series 1/2" - 3/4" PEX with Drain

- Max Pressure Rating: 400 PSI CWP
- Max Temp Rating: 203°F (95°C)
- Forged brass body
- Chrome plated ball
- Zinc plated steel handle with blue plastic sleeve
- PTFE Seats / PTFE Stem packing
- Blow-out proof stem
- NSF/ANSI Standard 61 & 372 Certified
- cUPC Standard IGC 157 Certified



#304 CF8 STAINLESS STEEL FULL PORT BALL VALVES

SSBV304 Series 1/4" - 4" Threaded (FPT)

- For water well, plumbing, irrigation and other light duty applications, not to be used in steam, chemical or industrial applications.
- Max Pressure Rating: 1000 PSI CWP
- Max Temp Rating: 14 to 248°F (-10 to 120°C)
- Two piece full port investment cast 304 stainless steel body
- Blow-out proof stem
- Solid Stainless Steel Ball - sizes 1/4" through 1-1/4"
- Hollow Stainless Steel Ball - sizes 1-1/2" through 4"
- PTFE Seats/PTFE Stem packing
- Stainless steel handle with blue plastic sleeve
- NSF/ANSI Standard 372 Certified



#316 CF8M STAINLESS STEEL FULL PORT BALL VALVES

- Max Temp Rating: 450°F (232°C)
- Two piece full port investment cast 316 stainless steel body with mounting pad
- Stainless steel ball
- Blow-out proof stem
- PTFE Seats/PTFE Stem packing
- Stainless steel locking handle with blue plastic sleeve
- NSF/ANSI Standard 372 Certified



SSBV1000 Series 1/4" - 3" Threaded (FPT)

- Max Pressure Rating: 1000 PSI Non-Shock based on ambient temperature

SSBV2000 Series 1/4" - 2" Threaded (FPT)

- Max Pressure Rating: 1/4" thru 1" rated 2000 PSI 1-1/4" thru 2" rated 1500 PSI Non-Shock based on ambient temperature

NOTE: Handles are available. Please contact your Sales Rep.

NO LEAD BRASS FULL PORT MINI BALL VALVES

0828-NL Series 1/8" - 1/4" Threaded (FPT)

0828-xxMxxFNL Series 1/8" - 1/4" Threaded (MPT x FPT)

- Max Pressure Rating: 600 PSI CWP
- Max Temp Rating: 180°F (82°C)
- Forged brass body
- Chrome plated ball
- PTFE Seats / PTFE Stem packing
- Red tee handle
- NSF/ANSI Standard 372 Certified



GATE VALVES



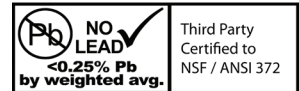
BRASS AND NO LEAD BRASS FULL PORT GATE VALVES

0818-NL Series 1/4" - 4" Threaded (FPT)

0818C-NL Series 1/2" - 2" CxC (Sweat)

0818* Series 1/4" - 4" Threaded (FPT)

- Max Pressure Rating: 200 PSI WOG
- Max Temp Rating: 150°F (66°C)
- Cast brass body
- Non-rising stem
- PTFE Packing
- Black cast hand wheel
- NSF/ANSI Standard 372 Certified (NL series)
- * 0818 Series Not for Conveying Potable Water



GAS VALVES



- Max Pressure Rating: 250 PSI
- Max Temp Rating: -4°F to 149°F (-20°C to 65°C)
- Two piece forged brass body
- Blow-out proof stem
- Yellow handle
- Ball Seat Material: PTFE
- CSA listed to the following standards,
ANSI Z21.15 & CGA 9.1: 1/2 PSIG (1/2PSI)
ASME B16.44 & CGA/CR91-002: 5 PSIG (5G)

FORGED BRASS GAS VALVES

0832 Series 3/8" - 1" Threaded (FPT x FPT)

0833 Series 1/2" Threaded x Flare (FPT x Flare)

0834 Series 1/2" Threaded x Flare (MPT x Flare)

0835 Series 3/8" - 1/2" Flare (Flare x Flare)

- Stem Packing Material: Dual NBR O-Ring except the following
0832-10, 0834-0503 & 0834-0505 packing is PTFE
- UL listed to the following standards,
UL 842 (YRPV): Gas shutoff valves - 250 PSI
UL 842 (MHKZ): Manual valves - 250 PSI
UL 125 (YSDT): LP-Gas shutoff valves - 250 PSI

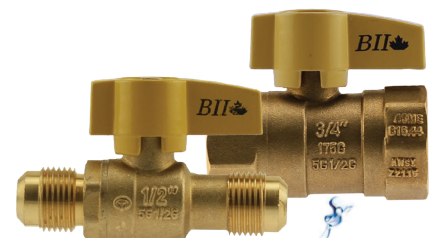


FORGED BRASS GAS VALVES WITH 1/8" PILOT TAP

0832TP Series 1/2" - 3/4" Threaded (FPT x FPT)

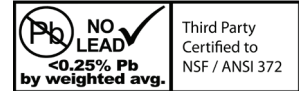
0835TP Series 3/8" - 1/2" Flare (Flare x Flare)

- Side Tapped 1/8" for connection to a manometer which allows line pressure to be tested at the valve, eliminating the need for an additional test tee. All pilot tap valves come with a brass plug
- Stem Packing Material: PTFE



BII CHROME PLATED SUPPLY STOP VALVES - 1/4 TURN

- Sweat connections conform to ANSI B16.18
- CPVC connections conform to ASTM D2846
- PEX connections conform to ASTM F1807
- Push Fit connections conform to ASSE 1061
- Compression connections conform to SAE J512
- Cold Expansion PEX connections conform to ASTM F1960
- Threads conform to ANSI/ASME B1.20.1
- Max Pressure Rating: 125 PSI
- Max Temperature Rating: 180°F (82°C)
- Chrome Plated No Lead Brass Body
- Double EPDM O-Ring Stem Packing
- PTFE Seats
- Chrome Plated ABS Handle
- NSF/ANSI Standard 61 & 372 Certified
- CSA Standard B125.1 Certified

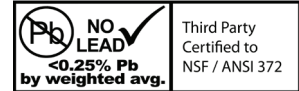


- Straight Design**
- Angle Design**
- Dual Outlet Design**
- Dual Outlet Dual Shut-Off Multi Turn Design**
- Ice Maker**
- Washing Machine - Angle Design**

Standard compression valves can be used to make connections between Copper, Brass, Aluminum, Plastic, CPVC & PEX tubing. Not recommended for use with steel tubing. They are designed for use with tube manufactured to CTS-OD copper tubing sizes (outside diameter controlled).
 NOTE: A brass insert must be inserted into Soft Copper, Aluminum, Plastic, CPVC & PEX tubing to put 360° of even pressure on the tubing, to make a round rigid profile that will ensure a tight seal.

BII BRASS BENT HOSE / SILLCOCK

- Max Pressure Rating: 125 PSI
- Max Temp Rating: 160°F (71°C)
- Seat material: Rubber (NBR)
- CSA Standard B125.1 Certified



NO LEAD BRASS BENT HOSE GARDEN VALVE

0872-NL Series

- Packing material: Graphite
- NSF/ANSI Standard 372 Certified
- Green rubber coated handle

NO LEAD BRASS SILLCOCK

0873-NL Series

0873C-NL Series

- Packing material: Rubber (NBR)
- NSF/ANSI Standard 61 & 372 Certified
- Black cast hand wheel



HOSE BIBBS

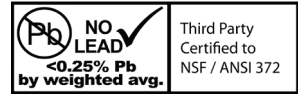


NO LEAD ROUGH BRASS HOSE BIBB

0871-NL Series

0874-NL Series

- Max Pressure Rating: 125 PSI
- Max Temp Rating: 160°F (71°C)
- Packing material: Rubber (NBR)
- Seat material: Rubber (NBR)
- NSF/ANSI Standard 61 & 372 Certified
- Brass plated tee handle



NO LEAD BRASS HOSE BIBB - 1/4 TURN

0852-NL Series

- Max Pressure Rating: 200 PSI
- Max Temp Rating: 180°F (82°C)
- Packing material: Rubber (NBR) O-ring
- Seat material: PTFE
- NSF/ANSI Standard 61 & 372 Certified
- Black tee handle



STAINLESS STEEL HOSE BIBB - 1/4 TURN

SSHB52 Series

SSSF52 Series

- Max Pressure Rating: 200 PSI
- Max Temp Rating: 248°F (120°C)
- Packing material: PTFE
- Seat material: PTFE
- NSF/ANSI Standard 372 Certified
- 304 stainless steel construction



PLASTIC HOSE BIBB

PHB Series

- Max Pressure Rating: 145 PSI
- Max Temp Rating: 180°F (82°C)
- Packing material: Rubber (NBR)
- Seat material: PTFE
- White ABS construction
- Red tee handle



NO LEAD BRASS HOSE BIBB - NO KINK

- Max Pressure Rating: 125 PSI
- Max Temp Rating: 160°F (71°C)
- Seat material: Rubber (NBR)
- NSF/ANSI Standard 61 & 372 Certified
- CSA Standard B125.1 Certified

0875-NL Series

0875F-NL Series

- Packing material: Rubber (NBR)
- Brass plated tee handle

0875H-NL Series

0875HF-NL Series

- Packing material: Graphite
- Green epoxy coated tee handle





SEDIMENT FAUCETS / BOILER DRAINS

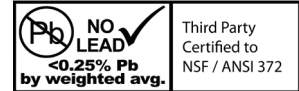
NO LEAD BRASS SEDIMENT FAUCETS - O-RING DESIGN

0845SF-NL Series 1/2" - 3/4" Threaded (MPT x MGHT)

0845SFA-NL Series (Angle Valve) 1/2" - 3/4" Threaded (MPT x MGHT)

0846SF-NL Series 1/2" - 3/4" Threaded (MPT x MGHT)

- Max Temp Rating: 160°F (71°C)
- Max Pressure Rating: 125 PSI
- Packing material: Rubber (NBR) O-ring
- Seat material: Rubber (NBR)
- NSF/ANSI 372 Certified
- CSA B125.1 Certified



BOILER DRAINS

0853-NL Series 1/2" - 3/4" Threaded (MPT x MGHT)

0853F-NL Series 1/2" - 3/4" Threaded (FPT x MGHT)

0851P-NL Series 1/2" PEX (PEX x MGHT)

0851* Series 1/2" - 3/4" Threaded (MPT x MGHT)

- Max Temp Rating: 212°F (100°C)
 - Max Pressure Rating: 125 PSI
 - Packing material: Rubber (NBR)
 - Black cast hand wheel
 - Seat material: Rubber (NBR)
 - CSA B125.1 Certified
 - NSF/ANSI 61 Certified
- * 0851 Series Not for Conveying Potable Water



STOP / STOP & WASTE

NO LEAD BRASS STOP/STOP & WASTE VALVES

0843-NL Series 1/2" - 3/4" Threaded Stop Valves

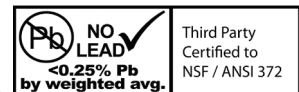
0843C-NL Series 1/2" - 3/4" CxC Stop Valves

0844-NL Series 1/2" - 3/4" Threaded Stop & Waste

0844C-NL Series 1/2" - 3/4" CxC Stop & Waste

0844CPR-NL Series 1/2" - 3/4" Compression Stop & Waste

- Max Temp Rating: 180°F (82°C)
- Packing material: Rubber (NBR)
- Black cast hand wheel
- NSF/ANSI 61 & 372 Certified



Standard compression valves can be used to make connections between Copper, Brass, Aluminum, Plastic, CPVC & Pex tubing. Not recommended for use with steel tubing. They are designed for use with tube manufactured to CTS-OD copper tubing sizes (outside diameter controlled). NOTE: A brass insert must be inserted into Soft Copper, Aluminum, Plastic, CPVC & Pex tubing to put 360° of even pressure on the tubing, to make a round rigid profile that will ensure a tight seal.

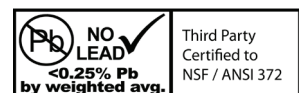


SWING CHECK VALVES

0806xx11NL Series 1/2" - 4" Threaded (IPS)

0806xx12NL Series 1/2" - 3" CxC (Sweat)

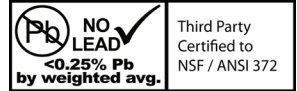
- Max. Working Pressure: 200 PSI WOG
- Cast Brass body, disc and cap
- Brass rod pin and screw
- Max. Working Temperature 212°F (100°C)
- Threads to ANSI B1.20.1
- CxC to ANSI B16.18



WALL HYDRANTS / LAWN FAUCETS



- Max Pressure Rating: 125 PSI
- Black cast handle
- CSA Standard B125.1 Certified



0865-NL Series

0865P-NL Series

0865* Series

0865P* Series

- Max Temp Rating: 140°F (60°C)
- Built in spring loaded check valve for back flow prevention
- Packing material: Rubber (NBR)
- Seat material: Rubber (NBR)
- Chrome plated body and tube
- NSF/ANSI Standard 61 & 372 Certified (* no lead series only)
- Plastic mounting flange included
- ASSE Standard 1019 Certified
- * 0865 & 0865P Series Not for Conveying Potable Water



0861-NL Series

- Max Temp Rating: 120°F (48°C)
- Packing material: Rubber (NBR)
- Seat material: Rubber (NBR)
- Chrome plated body and tube
- NSF/ANSI Standard 61 & 372 Certified
- Plastic mounting flange included

0861BR-NL Series

- Max Temp Rating: 140°F (60°C)
- Packing material: Rubber (NBR) O-ring
- Seat material: Rubber (NBR)
- Brass finish
- NSF/ANSI Standard 372 Certified



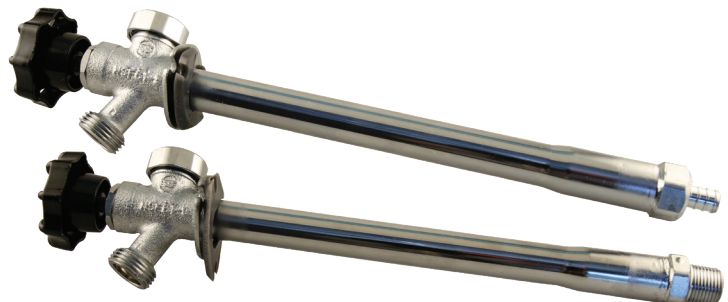
08QTWH05-NL Series

08QTWH07-NL Series

08QTWH05P-NL Series

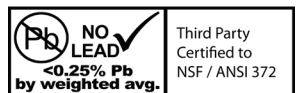
The 08QTWH- series has a built in spring loaded check valve for back flow prevention

- Max Temp Rating: 140°F (60°C)
- Packing material: Rubber (NBR)
- Seat material: Viton O-ring
- Chrome plated body and tube
- Plastic mounting flange included
- NSF/ANSI Standard 61 & 372 Certified
- ASSE Standard 1019 Certified



BRASS AND NO LEAD BRASS VACUUM BREAKER BII

- Complete with a break away set screw
- CSA Standard B64.2 Certified
- ASSE Standard 1011 Certified



0881-NL Series 3/4" Threaded (MGHT x FGHT)

0881 Series 3/4" Threaded (MGHT x FGHT)

- Standard 3/4" female hose thread for inlet connection
- Standard 3/4" male hose thread for outlet connection

0882-NL Series 3/4" Threaded (MHT x FHT)

- Automatically self-drain when all hose attachments are removed, protecting the valve or faucet from freezing in colder weather.



PVC BLOCKED TRUE UNION BALL VALVES

- Threads conform to ANSI/ASME B1.20.1
- Slip connections conform to ASTM D2466
- Working Temperature Range: 41°F to 122°F (5°C to 55°C)
- Max Pressure Rating: 150 PSI @ 73°F(22°C)



0924 Series 1/2" - 2" Threaded (FPT)

- Grey PVC body, suitable for both schedule 40 & 80 pipe
- Seal material: EPDM O-ring
- Seat material: PTFE
- Ends are blocked with bayonet style lock to prevent ball from being blown out
- Blue ABS handle is equipped with removable spanner device
- Shipped complete with both thread and slip interchangeable connections
- Double union/double block design permits in-line maintenance without disconnecting pipe



0925-NL Series 1/2" - 4" EPDM "O" Ring Seal

0926 Series 1/2" - 4" VITON "O" Ring Seal

- Seat material: PTFE
- Double union / double block design permits in-line maintenance without disconnecting pipe
- Ends are blocked with bayonet style lock to prevent ball from being blown out
- Blue (0925-NL) or Red (0926) ABS handle is equipped with removable spanner device
- NSF/ANSI Standard 61 & 372 Certified (0925-NL series only)
- Shipped complete with both thread and slip interchangeable connections



PVC SINGLE UNION BALL VALVES

0933 Series 1-1/2" - 2" Threaded (FPT)

0933S Series 1-1/2" - 2" Slip

- White PVC body, suitable for both schedule 40 & 80 pipe
- Seal material: EPDM O-ring
- Seat material: EPDM



MOLDED-IN-PLACE BALL VALVE

- Working Temperature Range 32°F to 122°F (0°C to 50°C)
- 150 PSI Working Pressure at 73°F (22°C)
- Suitable for both Schedule 40 and 80 PVC Pipe

0929 Series 1/2" - 4" Threaded (FPT)

0929S Series 1/2" - 4" Slip

- NSF/ANSI Standard 372 Certified

0921 Series 1/2" - 4" Threaded (FPT) NSF APPROVED 1/2" TO 2" ONLY

0921S Series 1/2" - 4" Slip NSF APPROVED 1/2" TO 2" ONLY

0923 Series 1/2" - 2" Threaded (FPT) NOT NSF APPROVED

0923S Series 1/2" - 2" Slip NOT NSF APPROVED

- Shock-resistant PVC body, ball and handle. (2-1/2" - 4" have polypropylene ball)
- NSF/ANSI Standard 61 & 372 Certified (0921/0921S series only)

NOTE: EPDM seats are recommended for most cold water system applications. PTFE seats are chlorine and chemical resistant and are recommended for most pool/spa applications.



CPVC HOT WATER SYSTEM BALL VALVES

0922CTS Series 1/2" - 2" Threaded (CTS x CTS)

- High heat resistance - Max. Service Temperature
Continuous 32°F - 194°F (0°C - 90°C)
Short hours 212°F (100°C)
- Test Pressure: 225 PSI
- Working Pressure: 150 PSI

- EPDM O-Ring
- PTFE (polytetrafluoroethylene) Seat
- CTS (Copper Tube size) Socket for CPVC pipe
- NSF/ANSI Standard 61 & 372 Certified



TECHNICAL - PVC BALL VALVES

CHEMICAL & TEMPERATURE CHARACTERISTICS

MATERIAL	ABBRE	GENERAL CHEMICAL RESISTANCE
Rigid Polyvinyl Chloride	PVC	Resistant against most acids, alkalis and salts of high to low concentration level. However, the material tends to be attacked by some chemicals; such as aromatic hydrocarbon ketones, esters and chlorinated hydrocarbon.
Ethylene Propylene Rubber	EPDM	Provided with an excellent ozone-resistance and chemical-resistance. Comparatively resistant against ketone and ester, but less resistant against aromatic & aliphatic families and gasoline and oil.
Polytetra-fluoroethylene	PTFE	Resistant against ordinary acid and alkali and not dissolved nor changed by ordinary solvent medium. Attacked by melted alkali metal and in high temperature (PTFE) by fluorine and chlorine trifluoride.

TEMPERATURE CORRECTION FACTORS FOR VALVES

As temperature increases working pressure decreases. The optimal working pressure for PVC valves contained in this brochure is 150 PSI @ 73°F. If temperature increases above 73°F, use the PVC correction factor to determine working pressure.

MULTIPLY MAXIMUM WORKING PRESSURE BY CORRECTION FACTOR
e.g.: @ 110°F WORKING PRESSURE WILL BE 91 PSI (110 X .83 = 91)

°F Temperature	73	90	100	110	120	130	140
PVC Correction Factor	1.00	1.00	1.00	0.83	0.66	0.50	0.33

PVC - NOT RECOMMENDED OVER 140°F

IMPORTANT: PVC BALL VALVES TERMINOLOGY (SCH. 40 & 80)

Often the terms Schedule 40 & 80 are referred with regards to PVC socket (slip) connection valves. The fact is that these terms are incorrect! PVC valves do not have Schedule 40 or 80 ratings. These terms refer to the wall thickness of pipe only, not the valve wall thickness; the higher the Schedule number, the thicker the pipe wall. Equally important, the I.D. gets smaller as wall thickness increases, while the outer diameter remains the same. Therefore, any PVC valve can be installed on Schedule 40 or 80 pipe, and vice-versa.

Unfortunately, some Manufactures / Distributors describe PVC valves using pipe-descriptive terms causing confusion. It is important to remember that all valves are rated by pressure in relation to operating temperature, not wall thickness. Generally, white PVC is used for Schedule 40 and gray PVC is used for Schedule 80 PVC pipe & fittings. However, Schedule 40 fittings are available in both white & gray colours adding to the confusion. The terminology describing the pipe has been inaccurately "carried over" to describe PVC valves which also can be molded from either white or gray resins, these valves are rated by pressure only and can be in either piping system.

Therefore, Boshart Industries PVC valves, like all other PVC valves, can be used with either Schedule 40 or Schedule 80 pipe, the only issue is colour preference, some installers prefer gray PVC valves when installing a gray Schedule 80 piping system.



CWP

- Cold Working Pressure, indication of the pressure rating for valves at a temperature range of up to +100°F (37°C)

WOG

- Non-Shock pressure rating based on ambient temperature.

WSP

- Working Steam Pressure

ANSI American National Standards Institute



Meets ANSI / NSF 61-8 (1998) Certification



Underwriter's Laboratories



Canadian Standards Association



Symbol or marking indicating product has been approved by the Factory Mutual Laboratories

Glossary of Approvals / Markings on Valves

Below is a brief description of each of the rating marks on the gas valves.

1/2 PSI

- Signifies 1/2PSIG rating for appliance manufacturer's use
- ANSI Z21.15 (USA) CGA 9.1 CAN
"American National Standard/Canadian Gas Association Standard for Manually Operated Gas Valves For Appliances, Appliance Connector Valves and Hose End Valves"
- Temperature range of 0°C to 51.5°C (32°F to 125°F)
- Must include manufacturing date (YY/MM)
- Intended to be used as part of a gas fired appliance
- Not for use in building piping systems

5G

- Signifies 5PSIG rating for inline valves
- Standard 3.88 (USA) & CR91-002 (CAN) Manually Operated Gas Valves For Use On Piping
- CR91-002 Temperature range between -40°C to 52°C (-40°F to 125°F)
- Standard 3.88 Temperature range between 0°C to 51.5°C (32°F to 125°F)

BRS125G

- Signifies 125PSIG rating for United States
- ASME B16.33 Standard Manually Operated Metallic Gas Valves For Use in Gas Piping Systems Up to 125psig sizes 1/2" to 2"
- Temperature range between -20°F to 150°F

CAN-3.16

- Signifies 125PSIG rating for Canada for Outdoor Use
- CAN/CGA-3.16 Standard Lever Operated Non-Lubricated Gas Shut-Off Valves
- Suitable for continuous use over the temperature range of -30°C to 65°C (-22°F to 149°F)

Notes:

- CSA mark alone does not signify valve is gas rated, must still have the CAN-3.16, 5G or the 1/2 PSI markings.
- Having a 125 PSI rating does not override the 1/2 PSI or 5G marks. Approval marks must be shown for the application.
- Valves with 5G rating are acceptable for use indoors and out in Canada only. Valves with a 5G rating are acceptable for use indoors only in the United States. The 1/2 PSI valves are for indoor use.

25 Whaley Ave., PO Box 310
Milverton, ON N0K 1M0
CANADA
Telephone: 519-595-4444
Fax: 519-595-4380
Toll Free: 800-561-3164

www.boshart.com

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