ValvSource
Equipment Limited

General Products Brochure

Valves | Strainers | Accessories

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ValvSource

About ValvSource

ValvSource Equipment Limited is a privately owned company specializes in manufacturing valves, strainers, gauges, and instruments. Founded in 2005, ValvSource has nearly 15 years of industry experience.

With over 150,000 feet of warehousing, ValvSource has a diversified inventory of over 25,000 products that service and supply the petrochemical, oil and gas, commercial, HVAC, and municipal markets.

We provide the industries absolute best customer service and are successful largely in part to our customer-centric team of sales personnel, services engineers and qualified staff. As an industry leader, we continually strive to strategically align ourselves with major manufacturers of industrial valves with a focus on having each valve product line compliment the other. By continually broadening our product offerings, ValvSource has positioned itself as a valuable resource.

Contact ValvSource's sales and support team today to discover your perfect valve solution!

B Series Ball Valves

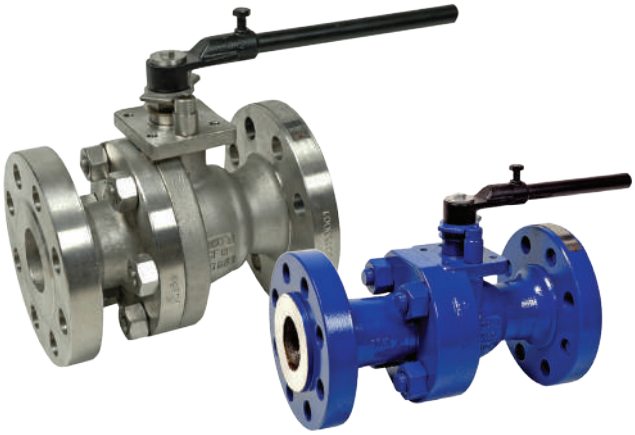
Offered in 11 styles as 1, 2 and 3-piece designs; the B series Ball Valve features investment cast body and cap with blow-out proof stem. The B series come in Carbon Steel and Stainless Steel material and are rated up to 2000 PSI. The B03, B05/5S, and B07L/T are direct mount designed to ISO std. 5211 for easy mating to an actuator. The balance of the B series 1, 2 and 3-piece Ball Valves are fitted with locking lever handles with an optional oval handle available on sizes ¼" to 2".

B05TC Stainless Steel Ball Valves

The B05TC series ball valve 316L stainless steel body, full port, 3-piece tri-clamp ends, 100% air tested under water at 100 PSI on open and closed positions. Available in sizes ½" to 4".

Z Series Floating Flanged Ball Valves

Offered in ASME 150, 300 and 600 pressure classes in unibody and 2-piece designs; the Z series Ball Valve is available as full port or reduced port and all feature ISO mounting pad. In addition they are firesafe to API-607. 4th Ed. and come with a blow-out proof stem. All valves are available in carbon steel, low temp carbon steel and stainless steel. Available in sizes ½" to 8".



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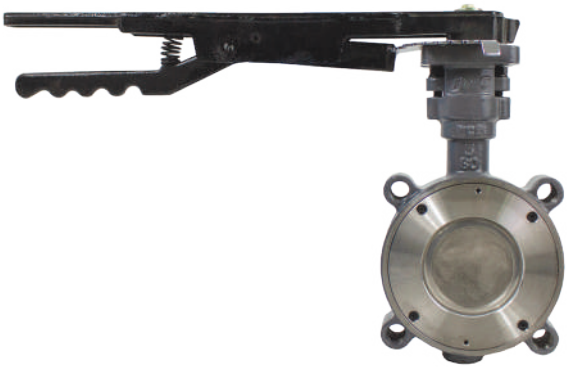

High Performance Butterfly Valves

Flow+ offers a wide range of high-performance butterfly valves in many configurations and options. Our premium quality valves are manufactured in both wafer or lug style with a double offset design.

Flow+ manufactures its high-performance butterfly valves in carbon or stainless steel with a tight shutoff design. Flow+ high-performance butterfly valves are manufactured with an ISO 5211 mounting flange in either a lever or gear configuration. Actuated by air or electric, our valves range in sizes from 2" to 24" and are designed to meet your most critical application requirements. Rated as class 150, our valves come standard with RTFE seats. With its integrated ten position indexing plate, you can always ensure consistent and reliable flow.

Butterfly Valves

The standard valve body material is A395 ductile iron allowing for up to 250 PSI service on 2" to 12" valves, 250 PSI bi-directional bubble tight shut off on valves 14" to 24". All Flow+ butterfly valves are epoxy coated and are available in wafer and lug style types. The lug style type incorporates a design feature using set screws to maintain seat alignment on dead end service without lowering the standard pressure rating.

On the 2" through 12" sizes the stem and disc interface is accomplished via a square stem insert eliminating the use of pins and bolts that could shear. The valve features a Stainless Steel split stem design that uses roll pins to eliminate the possibility of blowout as well as allowing for higher flow capability through the valve. The discs are available in a wide variety of materials from nickel plated ductile iron to alloys. Seats are cartridge style with Phenolic back up ring, available in EPDM, Buna, Viton and PTFE lined EPDM material that are easily replaced. Seat design incorporates two molded in primary shaft seals on the upper and lower seat bore I.D. providing additional protection against potential stem leaks. Back up stem leak protection is accomplished through the use of two upper and lower shaft seals.

Butterfly valves sized 2" to 8" come with locking lever handle and 10 position notch plate that also features infinite memory stop capability; gear operators are available on request. Valves 8" to 24" come with gear operators; lever handles are available on valves up to 12" if required. For applications requiring automation, the top plate is ISO mount compliant for a compact package. Flow+ butterfly valves meet the following standards; API 609, MSS-SP67, is tested per API 598 & CRN's.

Features of the FL31000 Valve Position Monitor

(Other switches are available on request)

Solid and Compact Design, Weatherproof and Corrosion Resistant NEMA 4, 4X, / IP67 Enclosure, Captive Stainless Steel Cover Bolts, Bolt on Green/Red Position Indicator, Quick-Set, Spring Loaded, Splined Cams require no tools for adjustments, Dual ½" conduit entries and 8 point terminal stip to allow for mounting and wiring of solenoid valve, Qty 2 OMRON SPDT Mechanical Switches rated at 5 amps at 120 VAC / 4 amps at 30 VDC. Approvals: UL, CSA, SEMKO, and SEV EN61058-1.

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Y-Strainers

SSI Strainers are an invaluable component of any fluid, steam or gas system because they filter out harmful particles, such as dirt and debris, from a process flow, thereby protecting valuable equipment. SSI cast Y strainers are available with threaded (NPT), flanged (flat faced, raised faced and RTJ), socket weld, butt-weld and sweat end connections, in sizes ¼" (8mm) to 16" (400 mm), for pressures to 3705 PSI and temperatures to 800°F. Our strainers feature a one-piece cast body, upper and lower machined seats, drain/blow-off connections furnished with plug and stainless steel (CF8M) screens as standards.

Basket Strainers

125 to 300 lb iron, bronze, carbon and stainless steel. Available in RF, NPT, or FF connections and designed in accordance with ASME B16-5, B16-34 and B16-24. Basket design comes in angular and straight through flow with 304 or 316SS material. Recommended minimum straining level is 250 microns.

Temporary Strainers

The SSI Temporary Strainers can be used in water, oil or other liquid services. They are installed in between RF flanged to provide an effective and economical method to remove sediment and debris from fluids. The temporary strainers are designed to protect pump, valves, instruments and other pipping devices for the start up applications. They should not be used in place of permanent strainers and must be removed from the pipeline after initial start up.

The SSI Temporary Strainers are available in conical, basket or plate configurations with filtration down to 40 Microns. The standard SSI Temperature Strainers are constructed of heavy gauge 304 stainless steel with standard 150#, 300#, 600#, 900# and 1500# wafer flat faced smooth flanges. Other materials and specifications are available upon request.

Check Valves

Cast iron, carbon steel and stainless steel flanged and wafer style silent check valves. SSI Silent Check Valves are ANSI Class 125, 150, 250 and 300 lbs, for use in the HVAC, power, process, chemical, oil and gas, pulp and paper, metal and mining and water and waste industries.

Ideal for applications when silent operation and cost are of major concern, SSI silent check valves can be mounted vertically or horizontally to prevent flow reversal while eliminating water hammer and system surges normally associated with the sudden stoppage of a reverse flow.

Spence Flanged and Wafer Style Silent Check Valves are available in sizes 2" through 18", for pressures to 740 PSI at 400°F and are available with bronze or stainless steel trim and metal to metal seats.

Double Door Wafer style check valves are also available.

Triple Duty Valves

Integrated a center guided silent check valve, a shutoff valve and a balancing valve into one body, the SSI cast iron triple duty valve is designed to serve all functions normally required on the discharge side of a pump system. The combination of multiple valves helps minimize the cost and reduce installation time. The SSI triple duty valves are rated to 200 PSIG with maximum temperature up to 212 F. They are available from 2" to 14" with class 125 flange connections designed to ASME B16.1

Foot Valves

The SSI foot valves are available in ANSI Class 125 cast iron body and Class 150 carbon steel and stainless bodies with pressure rated to 200psig (cast iron) and 285psig (carbon steel and stainless steel), flange connections, metal to metal seats with available size ranges from 2" to 18".

Expansion Joints

The SSI expansion joints may operate in pipelines or equipment carrying fluids and/or gases. The single or twin sphere connectors with floating flanges or NPT connections accommodate thermal movements and misalignment and provides high level of installation flexibility. The precision molded synthetic Neoprene/EPDM rubber reinforced with nylon cord make the joins extremely durable at elevated temperature and pressure. The flanged connectors are completed with zinc plated carbon steel flanges with optional control rods to prevent damage caused by excessive extension, compression or motion of the pipeline. The maximum working pressure of the flanged connector is up to 225psig and working temperature is up to 230F. The size range is 2"–12". The ductile union NPT connections are available for connectors ranged from ½" to 2". The maximum working pressure and temperature of the NPT end connector is 150psig and 230F respectively.

Suction Diffusers

SSI Suction Diffusers are developed to remove foreign particles and debris that may potentially damage pump and downstream pipping system from the flow while conditioning the flow into pump suction by eliminating recirculation zones and improving pump's efficiency. These class 125 cast iron suction Diffusers are designed to ASME B16.1 flange dimensions with pressure rated up to 200 psig and temperature up to 212 F. They are available in size from 2" to 12".

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600 Series Lead-Free Brass Ball Valves

Lead-free 2-piece body multi-purpose brass ball valves for use in engineered hot and cold water systems, gas applications, compressed air services, and fire protection. Available in sizes 1/4" to 4", with threaded (NPT) and soldered end connections. Optional stainless steel ball and stem available for solder ends valves. 600 PSI non-shock cold working pressure (CWP). CRN for all Canadian provinces and territories.

Conforms to: MSS SP-110.

cUL Approval: Trim and Drain (300 PSI), Compressed Gas Shut-off Valves (300 PSI), Flammable Liquid Shut-off Valves (300 PSI), Gas Shut-off Valves (300 PSI), LP Gas Shut-off Valves (300 PSI), Manual Valves (300 PSI).

FM Approval: 600 PSI Rating.

NSF/ANSI 61 (ANNEX G), NSF/ANSI 372 Approval: Obtained NSF61 Section 8 certificate through IAPMO, Compliant to Prop65 standard.

Compliance with California Lead Free Plumbing Law: AB1953 and certified to ANSI/NSF372.

CSA Approval (Threaded only): Pilot Adjustable National Standard of Canada. Class 3371- 08 Requirement Can1-91, Gas Lever Non Lubricated Shut-off Valve. Class 3371-1 Requirement CGA-3.16, Manual Gas Valves on Piping Systems. Class 3371-12. Requirement CGA CR-9102, General Gas Valve US Standard. Class 3371-88. Requirement ANSI Z21.15, Gas Manual Valve House Piping System. Class 3371.92 Requirement IAS US Regulations 3.88, Manual Gas Valve Metallic in Piping System US Standards. Class 3371-94 Requirements ANSI/ASME B16.33.-20/150F.

600 Series Brass Ball Valves

2-piece body multi-purpose brass ball valves for use in engineered hot and cold water systems, gas applications, compressed air services, and fire protection. Available in sizes ¼" to 4", with threaded (NPT) and soldered end connections. ¼" to 2": 600 PSI non-shock cold working pressure (CWP) or 2½" to 4": 400 PSI non-shock cold working pressure (CWP). CRN for all Canadian provinces and territories.

Conforms to: MSS SP-110.

cUL Approval: Trim and Drain (300 PSI), Compressed Gas Shut-off Valves (600 PSI), Flammable Liquid Shut-off Valves (600 PSI), Gas Shut-off Valves (600 PSI), LP Gas Shut-off Valves (600 PSI), Manual Valves (600 PSI), CAN/CGAC 3.16 (½" through 2") 125 psig, AGA3-88 / CGA CR91-002 (¼" through 2") 5 psig, 150 WSP.

FM Approval: 600 PSI Rating.

NSF 61 Approval: Obtained NSF61 Section 8 certificate through IAPMO, Compliant to Prop65 standard.

CSA Approval (Threaded only): Pilot Adjustable National Standard of Canada. Class 3371- 08 Requirement Can1-91, Gas Lever Non Lubricated Shut-off Valve. Class 3371-10 Requirement CGA-3.16, Manual Gas Valves on Piping Systems. Class 3371-12. Requirement CGA CR-9102, General Gas Valve US Standard. Class 3371-88. Requirement ANSI Z21.15, Gas Manual Valve House Piping System. Class 3371.92. Requirement IAS US Regulations 3.88, Manual Gas Valve Metallic in Piping System US Standards. Class 3371-94 Requirements ANSI/ASME B16.33. -20/150F.

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601 Series Brass Ball Valves

2-piece body multi-purpose brass ball valves for use in engineered hot and cold water systems, gas applications, and compressed air services. Available in sizes ¼" to 2", with threaded (NPT) and soldered end connections. Optional stainless steel ball and stem. ¼" to 2": 600 PSI Non-Shock Cold Working Pressure (CWP). Standards: Conforms to MSS SP-110. CRN for all Canadian provinces and territories.

CAN/CGAC 3.16 (½" through 2") 125 psig, AGA3-88 / CGA CR91-002 (¼" through 2") 5 psig, 150 WSP, NSF 61 Approval.

CSA Approval (Threaded only): Pilot Adjustable National Standard of Canada. Class 3371- 08 Requirement Can1-91, Gas Lever Non Lubricated Shut-off Valve. Class 3371-10 Requirement CGA-3.16, Manual Gas Valves on Piping Systems. Class 3371-12. Requirement CGA CR-9102, General Gas Valve US Standard. Class 3371-88. Requirement ANSI Z21.15, Gas Manual Valve House Piping System. Class 3371.92 Requirement IAS US Regulations 3.88, Manual Gas Valve Metallic in Piping System US Standards. Class 3371-94 Requirements ANSI/ASME B16.33. -20/150F.

620 Series Bronze Ball Valves

2-piece body multi-purpose bronze ball valves for use in engineered hot and cold water systems. Available in sizes ¼" to 2", with threaded (NPT) and soldered end connections. Optional stainless steel ball and stem. 600 PSI non-shock cold working pressure (CWP). Conforms to MSS SP-110. CRN for all Canadian provinces and territories.

620 Series Lead-Free Bronze Ball Valves

Lead-free 2-piece body multi-purpose bronze ball valves for use in engineered hot and cold water systems. Available in sizes ¼" to 2", with threaded (NPT) and soldered end connections. Optional stainless steel ball and stem. 600 PSI non-shock cold working pressure (CWP). Conforms to MSS SP-110. CRN for all Canadian provinces and territories.

Compliance with California Lead Free Plumbing Law: AB1953 and certified to ANSI/NSF372.

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620 Series Bronze Ball Valves

3-piece body multi-purpose bronze ball valves for use in engineered hot and cold water systems, and compressed air services. Available in sizes ¼" to 2", with threaded (NPT) and soldered end connections. Optional stainless steel ball and stem. 600 PSI non-shock cold working pressure (CWP). Conforms to MSS SP-110. CRN for all Canadian provinces and territories.

Class 150 Bronze Gate Valves

Rising stem or non-rising stem, solid wedge, screwed-in or union bonnet. Available in sizes ¼" to 3", with threaded (NPT) or soldered end connections. 150 PSI saturated steam or 300 PSI non-shock cold working pressure (CWP). Conforms to MSS SP-80. CRN for all Canadian provinces and territories.

Class 300 Bronze Gate Valves

Rising stem or non-rising stem, solid wedge, screwed-in or union bonnet. Available in sizes ¼" to 2", with threaded (NPT) end connections. 300 PSI saturated steam or 1000 PSI non-shock cold working pressure (CWP). Conforms to MSS SP-80. CRN for all Canadian provinces and territories.

Class 150 Bronze Globe Valves

Metal or PTFE renewable disc, integral seat, screwed-in bonnet. Available in sizes ¼" to 3", with threaded (NPT) and soldered end connections. 150 PSI saturated steam or 300 PSI non-shock cold working pressure (CWP). Conforms to MSS SP-80. CRN for all Canadian provinces and territories.

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Class 300 Bronze Globe Valves

Bronze or renewable stainless steel disc and seat ring, union bonnet. Available in sizes ¼" to 2", with threaded (NPT) end connections. 300 PSI saturated steam or 1000 PSI non-shock cold working pressure (CWP). Conforms to MSS SP-80. CRN for all Canadian provinces and territories.

Class 150 Bronze Swing Check Valves

Y-pattern design, regrindable integral seat, metal or PTFE disc. Available in sizes ¼" to 3", with threaded (NPT) and soldered end connections. 150 PSI saturated steam or 300 PSI non-shock cold working pressure (CWP). Conforms to MSS SP-80. CRN for all Canadian provinces and territories.

Class 300 Bronze Swing Check Valves

Y-pattern design, regrindable integral seat, bronze disc. Available in sizes ¼" to 2", with threaded (NPT) and soldered end connections. 300 PSI saturated steam or 1000 PSI non-shock cold working pressure (CWP). Conforms to MSS SP-80. CRN for all Canadian provinces and territories.

Class 150 Bronze In-Line Lift Check Valves

Buna-N (BZ2373) or PTFE (BZ2363) disc, integral seat, stainless steel spring. Available in sizes ¼" to 2", with threaded (NPT) end connections. 150 PSI Saturated Steam (PTFE seat model only) or 300 PSI Non-Shock Cold Working Pressure (CWP). Conforms to MSS SP-80. CRN for all Canadian provinces and territories.

NCI CANADA INC.

200 WOG Cast Iron Butterfly Valves

Cast iron body 2" to 24", lug and wafer style. 316 stainless steel disc and 416 stainless steel stem. Lever (2" to 8") and gear (6" to 24") operated. 200 WOG (2" to 12" 200 PSI and 14" to 24" 150 PSI). Conforms to MSS-SP-67-W1/W2. CRN for all Canadian provinces and territories.

Class 125 Cast Iron Gate Valves

Cast iron body 2" to 24", OS&Y and non-rising stem design, bronze trim, bolted bonnet. ANSI 125# F.F. flanged ends. 2" to 12" 200 WOG (125 SWP) and 14" to 24" 150 WOG. Conforms to ANSI B16.10 and MSS-SP70. CRN for all Canadian provinces and territories.

Class 125 Cast Iron Globe Valves

Cast iron body 2" to 12", bronze trim, bolted bonnet. ANSI 125# F.F. flanged ends. 200 WOG (125 SWP). Conforms to ANSI B16.10 and MSS-SP85. CRN for all Canadian provinces and territories.

Class 125 Cast Iron Swing Check Valves

Cast iron body 2" to 12", bronze trim, bolted bonnet. ANSI 125# F.F. flanged ends. 200 WOG (125 SWP). Conforms to ANSI B16.10 and MSS-SP71. CRN for all Canadian provinces and territories.

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Forged Carbon and Stainless Steel Gate, Globe and Check Valves

800#/1500# in 1/4" to 2", available in 316L Stainless Steel and A105 Carbon Steel Bolted Bonnet, with NPT, SW, or BW ends. API 602, NACE MR01075 Compliant.

Cast Steel, Stainless Steel and Alloy 20 Gate, Globe and Swing Check Valves

150/300/600# in 1/2" to 48", available in Cast Steel, Stainless Steel, and Alloy 20 with Flanged or BW ends, integral seats, renewable seat rings. ASME B16.10, ASME B16.5, Cast Steel complies with NACE MR0175.

200 PSI Gate, Globe and Swing Check Valves

316 Stainless Steel 1/4" to 3" with NPT or SW ends, screwed cap, and integral seat.

Fire Safe Ball Valves

Available in Carbon Steel, 316 Stainless Steel, Alloy 20, and Hastelloy C materials. 3-Piece Design: Standard Port 1/4" to 2½", Full Port 1/4"–2", Threaded, SW, and BW. Flanged Design: Standard Port 1/2" to 4", Full Port 1/2" to 12", 150/300/600# Flanged, Lockable Handle.

Series 50B 2000 PSI Ball Valves

Available in Carbon Steel and 316 Stainless Steel with NPT ends. 2-piece full port seal weld body, RTFE seats, 1/4" to 3". Lockable, Lever, Extended or Oval Handle available.

Series 50C/50F 3000/6000 PSI Ball Valves

Available in Carbon Steel and 316 Stainless Steel with NPT ends. 2-piece full port seal weld body, Delrin seats. Anti static device, blowout proof stem, mounting pad. Lockable, Lever, Extended or Oval Handle. 50C available in 1/4" to 3", and 50F in 1/4" to 2".

Series 54574(N) and 54576(N) Ball Valves

Available in Carbon Steel and 316 Stainless Steel, Standard Port, Threaded Ends, RTFE seats, NOVA seats for steam up to 250# and 500F 1/4" to 1" 2000 WOG, 1¼" to 2" 1500 WOG, Lockable lever, Lever, Spring Return lever, or Oval handle.

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Series 58876 Ball Valves

316 Stainless Steel, Reduced Port, Threaded Ends RTFE seats, Unibody design, 1/4" to 2" 800 WOG, Lockable handle, Lever, or Oval handle.

Series 10 Ball Valves

Available in Brass material, Full Port RTFE seats, 1/4" to 4", 600 WOG, Lockable handle, Lever, or Oval handle.

Series SPN II Pneumatic Actuator

- Traditional 2 piston, rack & pinion design.
- Available in Double Acting and Spring Return configurations.
- Hard Anodized Aluminum body, rugged polyester coated body, with epoxy coated end caps, with optional nickel infused coating for sanitary applications.
- Standard temperature range with Buna o'rings: -4F to 180F, Kits for low temp: -40F to 80F, and high temperature: 5F to 300F.
- Industry standard ISO 5211 drilling and NAMUR patterns.
- Bi-Directional travel stops for +/- 5° adjustment for precise control.
- Pinion is specially designed for accept butterfly valve shafts with inserts that allow for direct mounting capabilities to butterfly valves that have Square, Double D, or Keyed shaft designs.
- Mounting plates available, allows for mounting to different industry standards bolt circles.

Notes

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Notes

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