



SVF Flow Controls, Inc.

VALVES • ACTUATORS • CONTROLS



Checkout our
ANSI Class
150, 300 and 600
Flanged Valves
on Page 11!

PRODUCT SPECIFICATION GUIDE

Rev. 09/14



The SVF purpose statement...

“To serve the process control marketplace as a valued resource and advisor on flow control applications.”

SVF has taken excellence to a new level in the flow control marketplace.

Our product mix, consultative staff, feature-rich website, digital initiatives and our ongoing customer centric culture all represent differentiating strategies that reflect our drive to be the very best supplier of valve and actuator technologies to a very demanding marketplace.

The SVF Resource Initiative blends all of these valued attributes into a seamless delivery system that begins with our Channel Partners, our Global Supply base and our motivated staff of talented flow control experts.

Our products are used and specified in chemical, petro-chemical, power, pulp & paper, water/wastewater, oil & gas, refining, semiconductor, food & beverage and pharmaceutical facilities, systems and markets throughout the world.

As an ISO-9001:2008 certified company we are committed to quality and continuous improvement in all that we do.

We welcome your inquiries and guarantee that our team will work diligently to satisfy your requirements. If you do not see what you need we will be happy to work with you to develop a product to meet your exact specifications.

“What do you need today?”™

Product pricing and availability:

- U.S. and Canada: Sales@SVF.net
- Latin America: LatinAmerica@SVF.net (Se Habla Español)
- Other geographic locations: International@SVF.net

Technical Support: Engineering@SVF.net

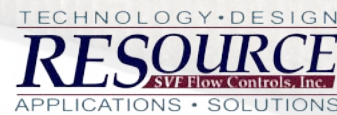
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Specifications subject to change. Please visit www.SVF.net for the latest product information.

See SVF's Standard Terms and Conditions.
Product Specification Guide v.02/12 - Rev 09/14

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○ = Standard Port ● = Full Port

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Industrial Valves

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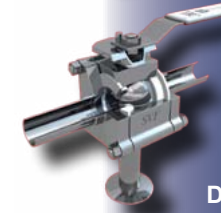
Widely Compatible
Easy to Install



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Complete Line of Control Devices





R8 & B8

Three-Piece Ball Valves
R8 - Standard Port
B8 - Full Port

Sizes:
R8 - 1/4" to 3" (1/4" & 3/8" are Full Port)
B8 - 1/2" to 2-1/2"

Materials:
 Stainless Steel, Carbon Steel,
 Hastelloy

End Connections:
 Screwed Ends
 Socket Weld Ends
 Butt Weld Ends

R8 & B8 Design Features:

- Encapsulated body seals to facilitate welding without disassembly.
- Three-piece “swing out” design offers easy access for in-line maintenance.
- Live-loaded stem packing ensures seal-tight pressure containment under thermal cycling.
- ISO 5211 mounting pad for easy actuation.
- Blowout proof stem adds safety and reliability.



N8/BN8

Steam & Thermal Fluids
Three-Piece Ball Valve

Sizes:
N8 (Standard Port) 1/4" to 3"
BN8 (Full Port) 1/2" to 2-1/2"

Materials:
 Stainless Steel, Carbon Steel,
 Hastelloy

End Connections:
 Screwed Ends
 Socket Weld Ends
 Butt Weld Ends

N8/BN8 Design Features:

- High-performance design for industrial steam and thermal fluid applications up to 650°F.
- SupraLon™ seats specifically designed for high temperature, steam and thermal fluids.
- Encapsulated body seals to facilitate welding without disassembly.
- Three-piece “swing out” design.
- Live-loaded stem packing.
- ISO 5211 mounting pad for easy actuation.
- Blowout proof stem adds safety and reliability.



FS7

Fire Safe/Anti-Static
Three-Piece Ball Valve
(API-607)

The SVF Series FS7 standard port ball valves are produced in 3" and 4" sizes. They satisfy a wide range of industrial applications for processing and handling flammable fluids.



D8/T7

Diverter/3-Way Ball Valves
Three-Piece, Standard Port

Available in Stainless Steel or Carbon Steel with a variety of end connections ranging in sizes from 1/4" to 2" with self-relieving seats that reduce operating torque and improve seat life. Live-loaded stem packing ensures seal-tight pressure containment under thermal cycling. The Series D8/T7 features an ISO 5211 mounting pad for easy actuation and a blowout proof stem adds safety and reliability.



L8

Instrumentation
Three-Piece Ball Valve
Standard Port

Sizes: 1/4" to 1"

Material: Stainless Steel

End Connections:
 Compression Ends
 Compression Male Ends
 (without nut & ferrule)

Seat Materials:
 TFM1600™
 SupraLon™
 Delrin
 UHMWPE
 PEEK

L8 Design Features:

- Compression ends compatible with all leading instrument fittings.
- Three-piece “swing out” design.
- Optional SupraLon™ seats for high temperature, steam and thermal fluid applications.
- Live-loaded stem packing ensures seal-tight pressure containment under thermal cycling.
- ISO 5211 mounting pad for easy actuation.
- Blowout proof stem adds safety and reliability.



F8/FB8

Fire Safe/Anti-Static
Three-Piece Ball Valve
(API-607, API-608)

Sizes:
F8 (Standard Port) 1/2" to 2"
FB8 (Full Port) 1/4" to 2"
 3" to 4" - See Series FS7

Materials:
 Stainless Steel, Carbon Steel

End Connections:
 Screwed Ends
 Socket Weld Ends

F8/FB8 Design Features:

- Fire-safe certification to API-607.
- Secondary metal back up seat.
- Anti-static stem device.
- Encapsulated body seal to facilitate welding without disassembly.
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling.
- ISO 5211 mounting pad for easy actuation.
- Blowout proof stem adds safety and reliability.

These industrial valves from SVF Flow Controls are anything but ordinary. Designed for durability, our process-quality ball valves have features which make them widely compatible and easy to install.

- Three-piece construction enables valve to meet a wide range of piping requirements.
- Bi-directional flow, pressure-assisted sealing guarantees tight shut-off and low torque.
- Blowout proof stem design and self-compensating stem seal design automatically adjusts for wear and thermal cycling.
- Encapsulated body seals allows field welding without disassembly.
- Wide variety of materials, options and accessories.
- ISO 5211 mounting pad design.
- Three-piece valve features “swing-out” design for ease of maintenance.



R8



B8



N8/BN8



D8/T7



L8



F8/FB8



Direct Mount

EZ9

General Purpose Three-Piece Ball Valve Full Port

Sizes: 1/4" to 2"

Materials:

Stainless Steel Body with Stainless Steel or Carbon Steel Ends

End Connections:

Screwed Ends
Socket Weld Ends

Seat & Body Seal Material:

TFM1600™ (One Piece)

EZ9 Design Features:

- Designed and built for economical performance.
- Full ported flow path.
- Pressure rated for 1000 WOG.
- Three-piece “swing out” design.
- Socket weld complies with ANSI B16.11.
- Built-in ISO 5211 direct mounting pad for easy actuation.
- Blowout proof stem adds safety and reliability.
- Lockable in the “Open” or “Closed” position.



EZ9



EZ6

General Purpose Three-Piece Manual Ball Valve, Full Port

Sizes: 1/4" to 4"

Materials:

Stainless Steel
Carbon Steel

End Connections:

Screwed Ends
Socket Weld Ends

Seat Material: RTFE

EZ6 Design Features:

- Designed and built for economical performance.
- Full ported flow path.
- Pressure rated for 1000 WOG.
- Three-piece “swing out” design.
- Socket weld complies with ANSI B16.11.
- Available with Screwed Ends or Socket Weld Ends.
- Blowout proof stem adds safety and reliability.
- Lockable in the “Open” or “Closed” position.



EZ6



Direct Mount

MZ9

Multi-Ported (Side-Ported) Three-Piece Ball Valve Full Port

Sizes: 1/2" to 2"

Material: Stainless Steel

End Connections: Screwed Ends

Seat Material: PTFE

MZ9 Design Features:

- Designed & built for economical performance.
- Pressure rated for 1000 WOG.
- Locking handle is standard.
- L-Port and T-Port options.
- Positive shut-off on any of the three ports.
- Full Port flow path for maximum flow.
- Built-in ISO 5211 direct mounting pad for easy actuation.
- Blowout proof stem adds safety and reliability.
- Complete 316 Stainless Steel construction.



MZ9



REV

One-Piece Ball Valve Standard Port Pressure Rated for 800 WOG

The SVF Series REV and BEV ball valves are designed for general purpose performance in a wide variety of utility applications. These lightweight and economical, manually operated valves meet industry requirements for performance and dependability.

- 316 Stainless Steel body, ball and stem
- Threaded end connectors
- Vinyl grip handle
- Blowout proof stem adds safety & reliability
- Lockable in the “Open” or “Closed” position



BEV

Two-Piece Ball Valve Full Port Pressure Rated for 1000 WOG

SVF Flow Controls General Purpose ball valves are built for economy and performance under a variety of process-control conditions, with solid construction, versatile designs and the most widely compatible materials.

- Series EZ9 offers ISO 5211 direct-mount automation.
- A variety of connections available to suit most applications.
- General Purpose valves are lightweight and compact in design.



Scan this “QR” Code to view our entire line of Economy Ball Valves.



Direct Mount

BEV9

Two-Piece Actuated Ball Valve Actuated Assembly, Full Port Pressure Rated for 1000 WOG

The SVF Series BEV9 is part of our family of Direct-Mount automated valves and is designed for superior performance in general purpose, plant-wide applications. The actuated package is available with an SVF NEMA 4 Pilot Valve and a NEXUS-LS NEMA 4 Limit Switch.



Direct Mount

BZ9

Three-Piece Bronze Ball Valve, Full Port Pressure Rated for 600 psi.

The direct-mount feature of the BZ9 reduces the size and weight of traditional automated valves. The BZ9 features a double stem seal design to provide superior performance in high cycle applications. *The Series BZ9 is not designed for use in systems processing potable water.*

ezvalves.com

Sign up on ezValves.com and you can access our general purpose valves through our online transaction site!



SB7
High Purity Steam
Three-Piece Ball Valve
“Tube-ID” Port

Sizes: 1/4” to 6”
Material: Stainless Steel
End Connections:
Tri-Clamp Ends
Extended Tube OD

Seat Material: TFM1600™

SB7 Design Features:

- ASME-BPE 2010 compliant.
- Complete 316L Stainless Steel construction.
- Weld bosses for easy purge porting on ends.
- ISO 5211 mounting pad for easy actuation.
- Encapsulated body seals to facilitate welding without disassembly.
- Controlled delta-ferrite chemistry.
- Exclusive “Fine-Adjust” handle for precise positioning.
- Drainable design with “Tube-ID” dimensions.
- Cavity filled TFM1600™ seat option available (SBC7).



SB7



SB7F
High Purity Steam
Three-Piece Forged
Ball Valve, “Tube-ID” Port

Sizes: 1/4” to 2”
Material: Forged Stainless Steel
End Connections:
Tri-Clamp Ends
Extended Tube OD

Seat Material: TFM1600™
(Complies with 21 CFR 177.1550)

SB7F Design Features:

- ASME-BPE 2010 compliant.
- Controlled delta-ferrite chemistry.
- Exclusive “Fine-Adjust” handle for precise positioning.
- Drainable design with “Tube-ID” dimensions.
- Complete 316L Stainless Steel forged construction.
- ISO 5211 mounting pad for easy actuation.
- Encapsulated body seals to facilitate welding without disassembly.
- Cavity filled TFM1600™ seat option available (SBC7F).



SB7F



TSB7
Multi-Ported, High-Purity
Three-Piece Ball Valve
“Tube-ID” Port

Sizes: 1/4” to 4”
Material: Stainless Steel
End Connections:
Tri-Clamp Ends
Extended Tube OD

Seat Material: TFM1600™

TSB7 Design Features:

- ASME-BPE 2010 compliant.
- Cavity filled TFM1600™ seat option available (Stainless Steel - TSBC7).
- Weld bosses for easy purge porting on ends.
- ISO 5211 mounting pad for easy actuation.
- Encapsulated body seals to facilitate welding without disassembly.
- Controlled delta-ferrite chemistry.
- Drainable design with “Tube-ID” dimensions.
- Side Port or Bottom Port.
- Exclusive “Fine Adjust” handle for precise positioning.



TSB7



Opus™
High-Performance
Steam Trap Test Valve
“Tube-ID” Port

Sizes: 1/4” to 4”
Material: Stainless Steel
End Connections:
Tri-Clamp Ends
Extended Tube OD

Seat Material: TFM1600™

Opus Design Features:

- Multifunctional valve providing three states of fluid control.
- Delivers full flow of clean steam through “Tube-ID” porting.
- Meets ASME-BPE 2010 guidelines for full flow, drainability, surface finish and materials.
- High-performance steam trap test valve designed exclusively for the high purity, pharmaceutical market.
- Available with a selection of trap connections, actuation and materials, including 316L cast, 316L forged, Hastelloy and AL6XN.



Opus



SB79
Three-Piece
Hastelloy Ball Valve
“Tube-ID” Port

Sizes: 1/4” to 6”
Material: Hastelloy
End Connections:
Tri-Clamp Ends
Extended Tube OD

Seat Material: TFM1600™

SB79 Design Features:

- ASME-BPE compliant.
- ETO ends are designed for Orbital Welding.
- Weld bosses for easy purge porting on ends.
- ISO 5211 mounting pad for easy actuation.
- Encapsulated body seals to facilitate welding without disassembly.
- Controlled delta-ferrite chemistry.
- Exclusive “Fine-Adjust” handle for precise positioning.
- Drainable design with “Tube-ID” dimensions.
- Cavity filled TFM1600™ seat option available (SBC79).



SB79

CleanFLOW™ ball valves by SVF Flow Controls are true process components, specifically engineered to meet the demanding requirements of pharmaceutical, biotech, semiconductor, cosmetics, food & beverage and other industries where particle generation and contamination can threaten the outcome of processing. All CleanFLOW™ ball valves are available with controlled delta-ferrite chemistry.

- Meet or exceed the latest ASME/BPE guidelines for valve and tubing designs.
- “Tube-ID” feature provides predictable flow rates and pressure drops, ensuring thorough cleaning and full drainability mandated by ASME/BPE.
- Use only the highest grade materials, sourced from certified suppliers.
- High-performance TFM1600™ seat material is standard.
- Wide range of options and accessories for industry-specific applications.



Scan this “QR” Code to view our entire line of CleanFLOW Ball Valves.

More High Purity Valves →





CleanTECH™ ball valves by SVF Flow Controls are competitively priced, manual and automated ball valve solutions for semiconductor, food & beverage, dairy, flavorings and cosmetics & fragrance. All materials comply with applicable ASTM material specifications and FDA, USDA and 3A requirements. All CleanTECH™ ball valves come standard with TFM1600™ seat material and "Tube-ID" flow path for drainability.



TB

Tank Bottom Valve

Sizes: 1" to 3"

Stainless Steel Construction

Consult SVF or scan the "QR" Code for additional information and specifications on our "TB" Series.



TANK BOTTOM



SB9

Sanitary Three-Piece Ball Valve "Tube-ID" Port

Sizes: 1/4" to 4"

Material: Stainless Steel

End Connections:
Tri-Clamp Ends
Extended Tube OD

Seat Material: TFM1600™

SB9 Design Features:

- TFM1600™ seat and body seal material complies with FDA CFR Title 21 Part 177.1550.
- Three-piece investment cast Stainless Steel.
- Cavity filled TFM1600™ seat option available (SBC9).
- "Tube-ID" flow path for drainability.
- Built-in ISO 5211 direct mounting pad for easy actuation.
- Three-piece "swing out" design.
- Blowout proof stem adds safety and reliability.
- Standard Anti-Static device.
- All materials comply with applicable ASTM material specifications and FDA, USDA and 3A requirements.



SB9



SB6

Sanitary Clamp End Three-Piece Ball Valve "Tube-ID" Port

Sizes: 1/2" to 4"

Material: Stainless Steel

End Connections: Tri-Clamp Ends

Seat Material: TFM1600™

SB6 Design Features:

- Three-piece investment cast Stainless Steel.
- All materials comply with applicable ASTM material specifications and FDA, USDA and 3A requirements.
- TFM1600™ seat and body seal material complies with FDA CFR Title 21 Part 177.1550.
- Sanitary clamp ends for easy valve removal.
- Three-piece "swing out" design offers easy access for in-line maintenance.
- Standard locking device.
- Drainable design with "Tube-ID" dimensions.
- Cavity filled TFM1600™ seat option available (SBC6).
- Blowout proof stem adds safety and reliability.



SB6



41C

ANSI Class 150 1-1/2" to 6", Standard Port

- Standard seat material is TFM1600™. Optional SupraLon™ seats for higher temperature, steam and thermal fluid applications.



41Rev3



B41C

ANSI Class 150 1/2" to 8", Full Port

- Standard seat material is TFM1600™. Optional SupraLon™ seats for higher temperature, steam and thermal fluid applications.



B41Rev3



B42C

ANSI Class 300 1/2" to 8", Full Port

- Seat materials available in TFM1600™ or SupraLon™.
- 6" and 8" valves are also available in Trunnion Design.
- Pressure balanced Relief Hole in ball slot



B42C



B43C

ANSI Class 600 1/2" to 8", Full Port

- Standard seat material is SupraLon™ for higher temperature, steam and thermal fluid applications
- Worm gear operator hand-wheel standard for 6" & 8" valves (Trunnion Design).



B43C

SVF Flow Controls flanged valves are available in Stainless Steel or Carbon Steel, Standard Port or Full Port ranging in sizes from 1/2" to 8".

Flanged Valves Feature:

- Standard Fire Safe Certification to API 607, Anti-Static
- Standard NACE MR0175
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling.
- Blowout proof stem adds safety and reliability.

Service Applications for the SVF Flanged Valve Series include:

- Anti-Static Design/Piping requirements
- Fire Safe (Tested to API-607)
- Flammable liquids
- Refining
- Petro-Chemical
- Chemical
- Steam & Thermal Fluids.
- Oil & Gas
- CNG Compressor & Dispenser Valves

For more information on the SVF CNG Compressor & Dispenser Valve Products or Oil & Gas Products, scan the "QR" codes below.



CNG Valve Products



Oil & Gas Valve Products



H7

**High Pressure to 6000 psi.
Three-Piece Ball Valves
Standard Port**

Sizes: 1/2" to 2"
Materials: Stainless Steel, Carbon Steel
End Connections: Screwed Ends, Socket Weld Ends, SAE Ends on 1/2" & 1" sizes
Seat Materials: Delrin, PEEK

H7/H7-62 Design Features:

- High pressure to 6000 psi.
- Stainless Steel fasteners and handle.
- Standard seat material is Delrin.
- Three-piece “swing out” design.
- Live-loaded stem packing.
- Blowout proof stem.



H7-62

**Same Features as the H7
with Code 62 Ends.
Available in 3/4" and 1"**



H7



H7-62



HBEV



P4



HBEV

**High Pressure to 6000 psi.
Seal Welded Ball Valve
Full Port**

Sizes: 1/2" to 2"
Material: Stainless Steel
End Connections: Screwed Ends, Socket Weld Ends, SAE Ends on 1/2" & 1" sizes
Seat Materials: Delrin, PEEK

HBEV Design Features:

- High pressure to 6000 psi.
- Full Ported flow path.
- Fire safe to API-607, Anti-Static.
- Seal welded construction.
- Latch lock handle is standard.
- Stainless Steel construction.
- Delrin seat material is standard with Screwed End Valves; PEEK seats standard with Socket Weld End Valves.
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling.
- ISO 5211 mounting pad for easy actuation.



P4

**High Pressure to 5000 psi.
Three-Piece Ball Valve
Standard Port**

Sizes: 1/2" to 1"
Materials: Stainless Steel, Carbon Steel
End Connections: Screwed Ends, Socket Weld Ends, SAE Ends on 1/2" & 1" sizes
Seat Materials: Delrin, PEEK

P4 Design Features:

- High pressure to 5000 psi. 1/2" P4 rated at 5500 psi.
- High-performance design for process-quality applications.
- Stainless Steel fasteners and handle.
- Standard seat material is Delrin.
- Three-piece “swing out” design offers easy access for in-line maintenance.
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling.
- Blowout proof stem adds safety and reliability.



R8

**Process-Quality
Three-Piece Ball Valve
Standard Port**

High Pressure Sizes:
1/4" to 1" = 3000 psi
1-1/4" to 2" = 2000 psi

Materials: Stainless Steel, Carbon Steel, Hastelloy

End Connections: Screwed Ends, Socket Weld Ends, Butt Weld Ends

Seat Materials: Delrin, PEEK

R8 Design Features:

- Encapsulated body seals to facilitate welding without disassembly.
- Three-piece “swing out” design offers easy access for in-line maintenance.
- Live-loaded stem packing ensures seal-tight pressure containment under thermal cycling.
- ISO 5211 mounting pad for easy actuation.
- Blowout proof stem adds safety and reliability.

Scan the “QR” Codes to view the Data Sheets and Pressure Ratings.



R8



B8

**Process-Quality
Three-Piece Ball Valve
Full Port**

High Pressure Sizes:
1/2" & 3/4" = 3000 psi
1" to 1-1/2" = 2000 psi

Materials: Stainless Steel, Carbon Steel, Hastelloy

End Connections: Screwed Ends, Socket Weld Ends, Butt Weld Ends

Seat Materials: Delrin, PEEK

B8 Design Features:

- Full ported flow path in a high-performance design for process-quality applications.
- Encapsulated body seals to facilitate welding without disassembly.
- Three-piece “swing out” design offers easy access for in-line maintenance.
- Live-loaded stem packing.
- ISO 5211 mounting pad for easy actuation.
- Blowout proof stem adds safety and reliability.

High-pressure applications require precision engineering, rugged construction and special features for advanced performance and safety.

SVF Flow Controls offers a full range of high-pressure valves for all high-pressure applications including hydraulics, steam, oxygen, vacuum, thermal fluids, chemical, oil and gas, food processing and dry or liquid chlorine.

- Blow-Out Proof Stem adds safety and reliability.
- Downstream sealing design uses the force of flow for a tighter seal with less wear and lower operating torque.
- Available with SAE End Connections on select series.
- Three-piece “swing out” construction enables valves to meet a wide range of piping requirements and offers easy access for in-line maintenance.



Scan this “QR” Code to view our entire line of High Pressure Ball Valves.



C8

**Chlorine Service
Three-Piece Ball Valve
Standard Port**

Sizes: 1/4" to 2"
(1/4" & 3/8" are Full Port)

Material: Carbon Steel with
Hastelloy or Monel
Ball & Stem

End Connections:
Screwed Ends
Socket Weld Ends
Flanged Ends

Seat Material: TFM1600™

C8 Design Features:

- Ideal for use in dry or liquid Chlorine Service.
- Meets the Chlorine Institute (Pamphlet 6) for piping systems in Dry Chlorine Service.
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling.
- ISO 5211 mounting pad for easy actuation.
- Blowout proof stem adds safety and reliability.



C8



R89

**Three-Piece
Hastelloy Ball Valve
Standard Port**

Sizes: 1/4" to 3"
(1/4" & 3/8" are Full Port)

Material: Hastelloy

End Connections:
Screwed Ends
Socket Weld Ends
Butt Weld Ends

Seat Materials:
TFM1600™
Delrin (Up to 2")
UHMWPE

R89 Design Features:

- All wetted parts are 100% Hastelloy (ASTM A494, CW-12MW).
- Encapsulated body seals to facilitate welding without disassembly.
- ISO 5211 mounting pad for easy actuation.
- Three-piece “swing out” design offers easy access for in-line maintenance.
- Full range of options to suit specific requirements.



R89 Hastelloy



N8/BN8

**Steam & Thermal Fluids
Three-Piece Ball Valve
Standard Port & Full Port**

Sizes:
N8 (Standard Port) 1/2" to 3"
BN8 (Full Port) 1/4" to 2-1/2"

Materials:
Stainless Steel, Carbon Steel,
Hastelloy

End Connections:
Screwed Ends
Socket Weld Ends
Butt Weld Ends

Seat Material: SupraLon™

N8/BN8 Design Features:

- High-performance design for industrial steam and thermal fluid applications.
- SupraLon™ seats specifically designed for higher temperature, steam and thermal fluids.
- Encapsulated body seal to facilitate welding without disassembly.
- Three-piece “swing out” design.
- Live-loaded stem packing.
- ISO 5211 mounting pad.
- Blowout proof stem adds safety and reliability.



N8/BN8



30° “V” Ball



CONTROL VALVES

Characterized “V” Ball with 30° and 60° V-Port provides “equal percentage” flow control.

VB41

Flanged Ball Valve

Sizes: 2" to 6"

Materials:
Stainless Steel, Carbon Steel

End Connections:
ANSI Class 150 Flanged

Seat Materials:
SupraLon™ (Standard)
TFM1600™

VB41 Design Features:

- Standard Fire Safe Certification to API 607, Anti-Static.
- Standard NACE MRO175.
- Standard seat material is SupraLon™ - selected for durability in control applications.
- Characterized “V” Balls available in 30° and 60° angles.
- Built-in ISO 5211 direct mounting pad for easy actuation.
- Live-loaded stem packing ensures seal-tight pressure containment under continuous cycling.



VB41



60° “V” Ball

V8

Three-Piece Ball Valve

Sizes: 1/2" to 2"

Materials:
Stainless Steel, Carbon Steel

End Connections:
Screwed Ends
Socket Weld Ends
Butt Weld Ends

Seat Materials:
SupraLon™ (Standard)
TFM1600™
Delrin, UHMWPE, PEEK

V8 Design Features:

- Encapsulated body seals facilitate welding without disassembly.
- Live-loaded stem packing ensures seal-tight pressure containment under continuous cycling.
- Three-piece “swing out” design offers easy access for in-line maintenance.
- ISO 5211 mounting pad for easy actuation.
- Blowout proof stem adds safety and reliability.



V8

Unique applications, specialty materials, specific handling requirements for hazardous substances - whatever the processing need - SVF Flow Controls has a valve to meet it. All of our products are designed to meet or exceed industry performance and safety standards.

- Secondary containment/fugitive emissions.
- Chlorine Service.
- Cryogenic.
- Hydrogen Peroxide Service.
- Steam & Thermal Fluids.
- Characterized “V” Ball, Tank Bottom and Multi-Ported designs.
- Specialty alloys, including Hastelloy, AL6XN and Duplex Stainless Steel.



Scan this “QR” Code to view our entire line of Specialty Ball Valves.

More Specialty Valves →



SC

Secondary Containment Device

Available for Valve Sizes 1/4" to 4"
ISO 5211 mounting pad
316 Stainless Steel Shaft
SupraLon™ Stem Seal

The SVF Secondary Containment Module "SC" offers enhanced protection against fugitive emissions in plant-wide applications. It is designed to meet the most stringent requirements of the ISA-SP-93 specification.

SC Design Features:

- Live-loaded, High-Performance secondary containment packing.
- Two 1/8" sniffer ports.
- Standard ISO 5211 mounting system for modular attachment and field retrofits.
- Fully enclosed stem and packing for insulated piping systems.
- 316 Stainless Steel construction.
- Optional locking device may be field retrofitted.



Secondary Containment



7B41

ANSI Class 150 Flanged Ball Valve For Hydrogen Peroxide Service

The SVF Series 7B41 Flanged, Full Ported Ball Valves are designed specifically for Hydrogen Peroxide Service. The materials of construction have been selected to meet the specific needs of Hydrogen Peroxide and the valve internals are designed to eliminate areas of entrapment where decomposition may occur.



TB

Tank Bottom Valve Sizes: 1" to 3" Stainless Steel Construction

Consult SVF or scan the "QR" Code for additional information and specifications on the "TB" Series.



Tank Bottom



K8

Cryogenic Ball Valve Pressure Rated for 1500 WOG Standard Port*

Sizes: 1/2" to 2" (*1/2" is Full Port)

Material: Stainless Steel

End Connections:

- Screwed Ends
- Socket Weld Ends

Seat Material:

■ PCTFE

K8 Design Features:

- Meets testing requirements of BS6364 Standard.
- Blowout proof stem adds safety and reliability.
- ISO 5211 mounting pad for easy actuation.
- Three-piece "swing out" design offers easy access for in-line maintenance.
- Standard Anti-Static device.



K8



aero²™

High-Performance Rack & Pinion Pneumatic Actuators



QUAD4

The *aero*² and Quad4 pneumatic rack and pinion actuators are manufactured using the latest materials and methods to provide dependable and smooth operation in demanding process-control conditions.

aero² and Quad4 Design Features:

- ▼ Bi-Directional stroke adjustment.
- ▼ Available in Double Acting and Spring Return models.
- ▼ 1/4" NPT air inlet manifold.
- ▼ ISO 5211 base for universal mounting & accessory attachment.



aero²™



QUAD4



"E" Series Electric Actuators

SVF "E-Series" Electric Actuators are geared motors that provide rotary output (torque) to power all types of rotary valves. Output is achieved through the application of a supply voltage (AC or DC).

"E" Series Design Features:

- ▼ Heavy-duty, fully enclosed, high-performance motor is rated for both On/Off and modulating service.
- ▼ Actuator housing and fasteners meet NEMA 4 guidelines (weatherproof) or NEMA 7 (hazardous locations) requirements.
- ▼ Corrosion protection with thermally bonded polyester coating.
- ▼ All motors feature integral thermal overload protection.
- ▼ All models feature a manual override, ISO mounting pad and are wired for light indication.
- ▼ Designed for operation in temperatures from -40°F to 150°F.



"E" Series

NEXTEK Controls is a family of valve automation products that includes a range of actuators and accessories for the automation of quarter-turn valves that provide field control and connectivity.

NEXTEK Controls was formed to highlight our products and capabilities and to serve as a Resource in developing and delivering automated valves to meet industry requirements for system integration, performance and value.

- ▼ Our *aero*²™ and Quad4 pneumatic actuators are designed for universal operation of all quarter-turn valves and comes with a full array of control options for On/Off modulating service.
- ▼ Our controls and control packages are feature-rich and performance engineered.
- ▼ Controls are available to meet international standards.



Scan this "QR" Code to view our entire line of Automation & Controls.

More Actuators & Controls →

**Connectivity
for
Hazardous Area
Locations**



aero² Actuator
Dec clutchable Manual Override
B41Rev3 Valve



NEXUS-LS
High-Performance
Limit Switch

The SVF NEXUS-LS is a reliable and compact position feedback device fitted with two mechanical SPDT switches rated for 5A service.

NEXUS-LS Design Features:

- ▼ NEMA 4/4X (IP67) enclosure to satisfy outdoor protection.
- ▼ “Quick-Set” cam is spring loaded and requires no special tools for calibration.
- ▼ Dual 1/2” NPT conduit entries facilitate wiring in the field and for additional ancillary pilot valve connections.
- ▼ Captive cover bolts remain intact during wiring to prevent loss.
- ▼ Stainless Steel trim and mounting hardware.
- ▼ Rugged and Compact design.
- ▼ Designed for operation in temperatures from -4°F to 176°F.

The NEXUS-LS Limit Switch is also available fitted with two *Proximity switches* rated for 5A service. Consult SVF for additional information.



NEXUS-LS



NEXUS-LP
Two-Position
Discreet Valve Controller

The NEXUS-LP is a discrete valve controller optimizing a solution for on/off valve control position sensing in the process industries. Equipped with low watt miniature pilot valves, position sensors, and optional bus communication technology, the NEXUS-LP helps plants, platforms, and pipelines improve productivity and increase safety in the harshest environments and toughest applications.

NEXUS-LP Design Features:

- ▼ Suitable for use on rotary applications for double acting or spring return actuators.
- ▼ NEMA 4/4X, IP67 certified, CE approved.
- ▼ Integrated Solutions (sensors, pilot, spool valve).
- ▼ NAMUR and ISO 5211 adjustable bracket mounting.
- ▼ 5/2 Aluminum spool valve, anodized coated in black.
- ▼ Single pilot actuated, with manual operator Cv=1.4.
- ▼ Available for Hazardous Areas **ATEX** - (NEXUS-LPX)



NEXUS-LP



NEXUS-PS
Valve Position Sensor

A low profile sensor that delivers valve position status in demanding environments (IP67). The technology utilizes two reed devices that sense a magnetic target in the Open and Closed positions.

NEXUS-PS Design Features:

- ▼ Corrosion Resistant (non-metallic + stainless construction).
- ▼ Hermetically sealed reed elements.
- ▼ Handles both AC and DC current.
- ▼ Simple mounting to NAMUR standards.

**VECTOR
Pilot Valves**

The **VECTOR** Series pilot valves are UL/CSA approved, direct mount (NAMUR VDI/VDE 3845) valves used to pilot pneumatic actuators. The valve is a universal type (5/2 convertible to 3/2) and can be used on double acting or spring return actuators. Available in a NEMA 4 Version (VECTOR-PV4) and IP66, ATEX Version (VECTOR-PV7).

- ▼ May be used as a 3-way or 4-way pilot valve for spring return and double acting actuators respectively.
- ▼ Easily field retrofitted for Spring Return and Double Acting applications.
- ▼ VECTOR-PV4 rated to NEMA 4/4X, IP65.
- ▼ VECTOR-PV7 rated to IP66, **ATEX** for hazardous areas.



EXACT
Positioners
“P3” Pneumatic and
“XL” Electro-Pneumatic

The SVF “EXACT” Series pneumatic and electro-pneumatic positioners are designed and manufactured to offer years of trouble-free and economical operation. Every component has been field-tested and field-proven to exceed expectations of performance and reliability.



NEXUS-LX LIMIT SWITCH BOX
Approved for Enclosure: **ATEX**
DNV 09 ATEX 53807X, IP66



VECTOR-PV7 PILOT VALVE
Rated to IP66, **ATEX**
for Hazardous Areas.



NEXUS-LPX DISCREET VALVE CONTROLLER
Certified for Hazardous Locations, **ATEX**



Your Ultimate Resource is Only a "Click" Away...

SVF Flow Controls, Inc. has devoted a large part of our efforts to making it easier for you to get the information you need - when you need it. We have transformed our websites into dynamic, informative and useful places for decision makers and specifiers. At the center of it all is our primary website, www.SVF.net, where you can find the most current information on all of our products and initiatives including Valve Torque Tables, TopWorks Dimensions, Data Sheets, IOM's and a complete library of Literature, and Newsletters & Tech Briefs for you to view and download. Our Engineering Resource Library includes white papers, "How to's" and other technical information.

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Keep yourself in the loop with FlowRATE, the Monthly Resource Newsletter from SVF. Visit SVF.net and browse through all of our issues - past and present - each filled with articles from every Department in SVF.

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ezvalves.com was developed to provide you access to our general purpose valves through this online transaction site. The website is easy to use and represents another step in improving our service to you. In addition to delivering online purchases, ezvalves.com also serves as a source for pricing on these products, reducing the need to contact SVF for current pricing on these common products. We think you will find ezvalves.com another useful tool and Resource in delivering your customers the best ball valve program in our industry.



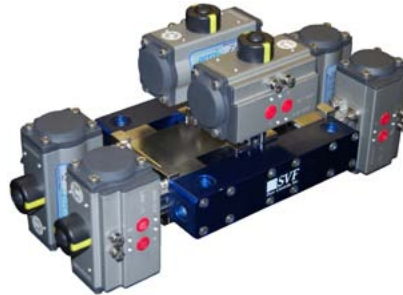
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Custom Valves Engineered for Unique Applications

SVF designs and manufactures custom valves through our PRO-SPEC program. Here we develop "process-specific" valves, automated valves and control packages to meet specific process requirements. Some of the custom projects awarded to SVF via our PRO-SPEC group include:

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