

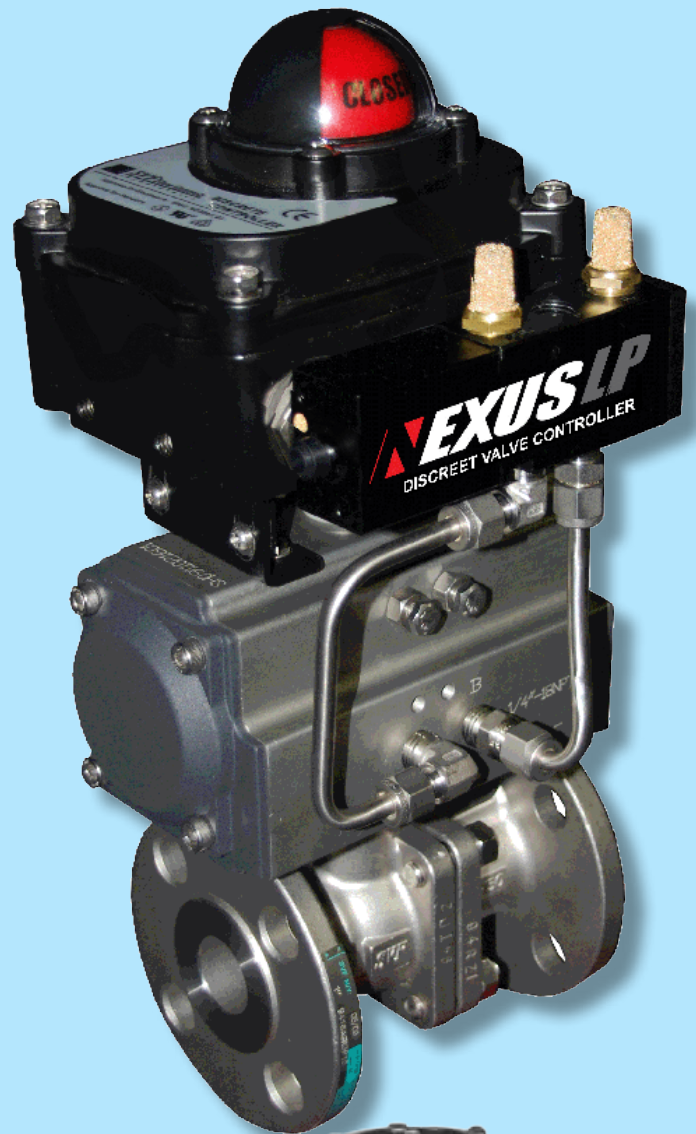


# SVF Flow Controls

VALVES • ACTUATORS • CONTROLS

## Product Selection Guide 2018

Industrial  
High Pressure  
Flanged  
Hygienic  
Direct Mount  
"C" Series  
Specialty Valves  
Actuators  
Controls



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Product Selection Guide v. 03.18

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# SVF Flow Controls Industrial Ball Valves



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.

## Industrial Ball Valve features:

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

## R8/B8

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



Sizes	Materials	End Connections	Seat Materials
R8: 1/4" ~ 3" (1/4" & 3/8" Full Port) B8: 1/2" ~ 2-1/2"	316 Stainless Steel Carbon Steel Hastelloy	Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends	TFM1600™ Delrin® PEEK UHMWPE

- High Performance design
- Wide range of Seat and Seal materials to meet all Process Applications

## R9/B9

Three-Piece Ball Valve  
R9 - Standard Port  
B9 - Full Port



## **EZ-MAX** Designed for Direct Mount Actuation

Sizes	Materials	End Connections	Seat Materials
R9: 1/2" ~ 2" B9: 1/2" ~ 2"	316 Stainless Steel Carbon Steel	Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends	TFM1600™ Delrin®

- ISO 5211 mounting pad for easy “Direct Mount” actuation
- High Performance design



# SVF Flow Controls Industrial Ball Valves

## L8

Instrumentation  
Three-Piece Ball Valve



Sizes	Material	End Connections	Seat Materials
1/4" ~ 1"	316 Stainless Steel	Compression Ends Compression Male Ends (without nut & ferrules)	TFM1600™ SupraLon™ Delrin® PEEK UHMWPE

- Compression ends compatible with all leading instrument fittings
- Tube I.D. Port

## F8/FB8

Fire Safe/Anti-Static  
Three-Piece Ball Valve  
(API-607, API-608)  
F8 - Standard Port  
FB8 - Full Port



Sizes	Materials	End Connections
F8: 1/2" ~ 2" FB8: 1/4" ~ 2"	316 Stainless Steel Carbon Steel	Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends

- Fire-Safe certification to API-607
- Anti-Static stem device
- TFM1600™ seat material (standard)

## D8/T7

Diverter (D8) 3-Way Ball  
(T7) Valve  
Three Piece, Standard Port  
Bottom Ported



Sizes	Materials	End Connections	Seat Materials
D8: 1/4" ~ 2" T7: 1/4" ~ 2"	316 Stainless Steel Carbon Steel	Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends	TFM1600™ SupraLon™ PTFE Delrin® (D8 Only) PEEK (D8 Only) UHMWPE (D8 Only)

- Available in a variety of flow patterns
- Self-relieving seats that reduce operating torque and improve seat life
- Encapsulated body seals to facilitate welding without disassembly (D8 Only)
- Standard seat material on D8 Series is TFM1600™
- Standard seat material on T7 Series is PTFE

# SVF Flow Controls High Pressure Ball Valves



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, chemical, oil and gas.

## H7

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



Sizes	Materials	End Connections	Seat Materials
1/2" ~ 2"	316 Stainless Steel Carbon Steel	Screwed Ends (FNPT) Socket Weld Ends SAE ends on 1/2" & 1" Code 62 ends on 3/4" & 1"	Delrin® PEEK

- High pressure up to 6000 psi
- 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 seal ensures seal-tight pressure containment even under thermal cycling
- Blowout proof stem adds safety and reliability

## HBEV

High Pressure to 6000 psi  
Seal Welded Ball Valve  
Full Port  
Fire Safe API-607



Sizes	Material	End Connections
1/2" ~ 2"	316 Stainless Steel	Screwed Ends (FNPT) Socket Weld Ends SAE ends on 1/2" & 1"

- High pressure up to 6000 psi
- Full ported flow path
- FireSafe to API-607
- Anti-Static stem device
- Seal welded construction
- Live-loaded stem seal ensures seal-tight pressure containment even under thermal cycling
- Delrin® seat material is standard with Screwed End valves
- PEEK seat material is standard with Socket Weld End valves

# SVF Flow Controls High Pressure Ball Valves

## P4

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



Sizes	Materials	End Connections	Seat Materials
1/2" ~ 1"	316 Stainless Steel Carbon Steel	Screwed Ends (FNPT) Socket Weld Ends SAE Ends on 1/2" & 1"	Delrin® PEEK

- High pressure to 5000 psi
- 1/2" P4 rated at 5500 psi
- 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 seal 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



Sizes	Materials	End Connections	Seat Materials
High Pressure Sizes 1/4" ~ 1" = 3000 psi 1-1/4" ~ 2" = 2000 psi	316 Stainless Steel Carbon Steel	Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends	Delrin® PEEK

- 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
- Live-loaded stem seal ensures seal-tight pressure containment even under thermal cycling
- Blowout proof stem adds safety and reliability

## B8

Process-Quality  
Three-Piece Ball Valve  
Full Port



High Pressure Sizes	Materials	End Connections	Seat Materials
1/2" & 3/4" = 3000 psi 1" ~ 1-1/2" = 2000 psi	316 Stainless Steel Carbon Steel	Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends	Delrin® PEEK

- Full ported flow path in a high performance design for process-quality applications
- 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
- Live-loaded stem seal ensures seal-tight pressure containment even under thermal cycling
- Blowout proof stem adds safety and reliability

# SVF Flow Controls Flanged Ball Valves



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 Ball Valve features:

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

### 41C

ANSI Class 150  
Standard Port  
Flanged Ball Valve



Sizes	Materials	End Connection	Seat Materials
1/2" ~ 6"	316 Stainless Steel Carbon Steel	150# Flanged Ends	TFM1600™ SupraLon™

- Standard ported valves certified to API-607, Anti-Static design
- Standard NACE MR 0175
- Live-loaded stem seal ensures seal-tight pressure containment even under thermal cycling
- Standard seat material is TFM1600™
- Optional SupraLon™ seats for higher temperature, steam, and thermal fluid applications
- ISO 5211 mounting pad for easy automation
- Compatible with a full range of actuators and accessories
- Latch lock handle fully compatible with OSHA clamp for Lock-Out/Tag-Out on all manual valves

### B41C

ANSI Class 150  
Full Port  
Flanged Ball Valve



Sizes	Materials	End Connection	Seat Materials
1/2" ~ 8"	316 Stainless Steel Carbon Steel	150# Flanged Ends	TFM1600™ SupraLon™

- Full ported ball valves certified to API 607, Anti-Static design
- Certified to API-608 to meet the additional design, operational and performance requirements of the Petroleum Refining, Petrochemical Processing and Chemical processing Industries
- Standard NACE MR 0175
- Chevron (V- Ring) stem seals assures low friction and leak tight performance (available in PTFE Only)
- Standard seat material is TFM1600™
- Optional SupraLon™ seats for higher temperature, steam, and thermal fluid applications
- Latch lock handle fully compatible with OSHA clamp for Lock-Out/Tag-Out on all manual valves
- Live-loaded stem seal ensures seal-tight pressure containment even under thermal cycling
- Built-In ISO 5211 direct mounting pad



# SVF Flow Controls Flanged Ball Valves

## B42C

ANSI Class 300  
Full Port  
Flanged Ball Valve



Sizes	Materials	End Connection	Seat Materials
1/2" ~ 8"	316 Stainless Steel Carbon Steel	300# Flanged Ends	TFM1600™ SupraLon™

- Full ported ball valves certified to API 607, Anti-Static design
- Standard NACE MRO175
- Built-In ISO 5211 direct mounting pad for easy actuation
- Chevron (V- Ring) stem seals assures low friction and leak tight performance (PTFE only)
- Standard seat material is TFM1600™
- Optional SupraLon™ seats for higher temperature, steam, and thermal fluid applications
- Standard locking handle in both open and closed positions
- Blowout proof stem adds safety & reliability

## B43C

ANSI Class 600  
Full Port  
Flanged Ball Valve



Sizes	Materials	End Connection	Seat Materials
1/2" ~ 8"	316 Stainless Steel Carbon Steel	600# Flanged Ends	TFM1600™ SupraLon™

- Full ported ball valve certified to API 607, Anti-Static design
- Standard NACE MRO175
- ISO 5211 mounting pad for easy actuation
- Standard seat material is SupraLon™ for high temperature, steam and thermal fluid applications
- Standard locking handle in both open and closed positions (Sizes 1/2" ~ 4")
- Worm gear operator handwheel for 6" & 8" valves
- Blowout proof stem adds safety & reliability

## MB51

ANSI Class 150  
Full Port  
Multi-Ported Flanged Ball Valve



Sizes	Materials	End Connection	Seat Material
1" ~ 4"	316 Stainless Steel Carbon Steel	150# Flanged Ends	RTFE

- Designed & built for superior performance
- L-Port and T-Port options
- Positive shut-off on any of the three ports
- Built-In ISO 5211 direct mounting pad for easy automation
- Blowout proof stem adds safety and reliability
- Full ported ANSI 150

# SVF Flow Controls Hygienic Ball Valves

**CleanFLOW™**



CleanFLOW™ hygienic 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.

## SB7

Hygienic (Cast)  
Three-Piece Ball Valve



Sizes	Material	End Connections	Seat Material
1/4" ~ 6"	316L Stainless Steel (ASTM A351 CF3MN)	Tri-Clamp Ends Extended Tube OD	TFM1600™

- ASME-BPE 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
- Drainable design with "Tube-ID" dimensions
- Cavity filled TFM1600™ seat option available
- Complies with 21 CFR 177.1550
- Tube-OD ends designed for orbital welding

## SB7F

Hygienic (Forged)  
Three-Piece Forged Ball Valve



Sizes	Material	End Connections	Seat Material
1/2" ~ 4"	316L Forged Stainless Steel (A182-F316L)	Tri-Clamp Ends Extended Tube OD	TFM1600™

- ASME-BPE compliant.
- Cavity filled TFM1600™ seat option available
- Complete 316L Stainless Steel forged construction
- 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
- Complies with 21 CFR 177.1550
- Tube-OD ends designed for orbital welding

# SVF Flow Controls Hygienic Ball Valves

## SB79

Hygienic Three-Piece  
Hastelloy Ball Valve



Sizes	Material	End Connections	Seat Material
1/4" ~ 6"	Hastelloy (ASTM A494 CW12MW)	Tri-Clamp Ends Extended Tube OD	TFM1600™

- ASME-BPE compliant
- Tube-OD ends 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
- Drainable design with "Tube-ID" dimensions
- Cavity filled TFM1600™ seat option available

## TSB7

Multi-Ported, Hygienic (Cast)  
Three-Piece Ball Valve



Sizes	Material	End Connections	Seat Material
1/4" ~ 4"	316L Stainless Steel (ASTM A351 CF3MN)	Tri-Clamp Ends Extended Tube OD	TFM1600™

- ASME-BPE compliant
- Cavity filled TFM1600™ seat option available
- 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
- Tube-OD ends designed for orbital welding
- Complies with 21 CFR 177.1550

## TSB7F

Multi-Ported, Hygienic (Forged)  
Three-Piece Forged Ball Valve



Sizes	Material	End Connections	Seat Material
1/4" ~ 4"	316L Forged Stainless Steel (A182-F316L)	Tri-Clamp Ends Extended Tube OD	TFM1600™

- ASME-BPE compliant
- Cavity filled TFM1600™ seat option available
- Complete 316L Stainless Steel forged construction
- 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
- Tube-OD ends designed for orbital welding
- Complies with 21 CFR 177.1550

# SVF Flow Controls Hygienic Ball Valves

## SMC9

Multi-Ported, Hygienic (Cast)



Sizes	Material	End Connections	Seat Material
1/2" ~ 4"	316L Stainless Steel (ASTM A351 CF3M)	Tri-Clamp Ends Extended Tube OD	TFM1600™

- ASME-BPE compliant
- Cavity filled TFM1600™ seat
- ISO 5211 mounting pad for easy "Direct Mount" actuation
- Drainable design with "Tube-ID" dimensions
- Side Port design
- L-Port and T-Port options
- Blowout proof stem adds safety and reliability
- Positive shut-off on all three ports

## OPUS™

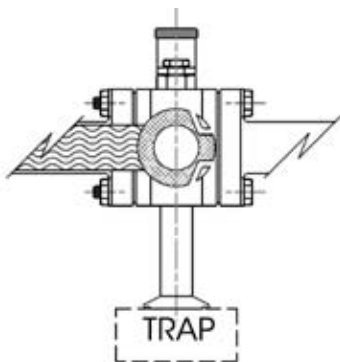
Stream Trap Test Valve



Sizes	Material	End Connections	Seat Material
1/2" ~ 2"	316L Stainless Steel (ASTM A351 CF3M)	Tri-Clamp Ends Extended Tube OD	TFM1600™

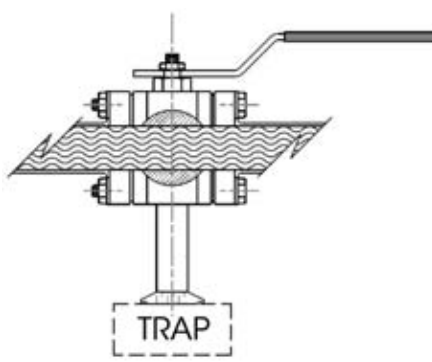
- Multifunctional valve providing three stages of fluid control; SERVICE, OPEN AND TRAP
- Delivers full flow of clean steam through "Tube-ID" porting
- Meets ASME-BPE guidelines for full flow, drainability, surface finish and materials
- High-performance steam trap test valve designed exclusively for the high purity, pharmaceutical market
- Available with a selection of trap connections, actuation and materials, including 316L cast, 316L forged, Hastelloy and AL6XN
- Complies with 21 CFR 177.1550

### SERVICE STAGE



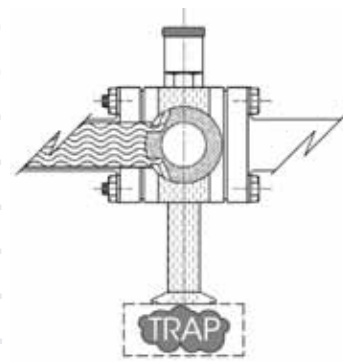
In the Service Position the steam trap is isolated from the steam, allowing the trap to be removed for maintenance.

### OPEN STAGE



In the Open Position the steam trap is isolated from the flow allowing sterilization temperature to be reached.

### TRAP STAGE



Allows condensate to flow past the ball purge holes during normal operation, by-passing the upstream seat.

In the Trap Position the valve body cavity remains hot.

The point-of-use or sampling connection is isolated by the ball surface



# SVF Flow Controls Sanitary Ball 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 as well as FDA and USDA requirements.

## SB9-ETO

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



Sizes	Material	End Connection	Seat Material
1/2" ~ 4"	Stainless Steel (ASTM A351 CF8M)	Extended Tube OD	TFM1600™

- Three piece investment cast stainless steel
- TFM1600™ seat and body seal material complies with FDA CFR Title 21 Part 177.1550 and USP Class VI
- Locking device helps prevent accidental operation
- "Tube-ID" flow path for drainability
- Three-piece "swing out" design offers easy access for in-line maintenance
- Built-In ISO 5211 direct mounting pad for easy actuation
- Silicone Free
- Blowout proof stem adds safety & reliability
- All materials comply with applicable ASTM material specifications as well as FDA and USDA requirements
- Standard Anti-Static device
- Live-loaded stem seal ensures seal-tight pressure containment even under thermal cycling
- Optional TFM1600™ cavity filled seats available

## SB9B-TRI CLAMP

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



Sizes	Material	End Connection	Seat Material
1/2" ~ 4"	Stainless Steel (ASTM A351 CF8M)	Tri-Clamp Ends	PTFE

- Three-piece investment cast Stainless Steel
- PTFE™ seat and body seal material comply with FDA CFR Title 21 Part 177.1550 and USP Class VI
- Built-In ISO 5211 direct mounting pad for easy actuation
- Silicone Free
- Blowout proof stem adds safety & reliability
- All materials comply with applicable ASTM material specifications as well as FDA and USDA requirements
- Standard Anti-Static Device
- Live-loaded stem seal ensures seal-tight pressure containment even under thermal cycling
- Optional PTFE cavity filled seats available

# SVF Flow Controls Butterfly Valves



The SVF StreamLine Series SL valves are designed for superior performance in general purpose plant-wide applications. The direct-mount feature reduces the size and weight of traditional automated butterfly valves.

## *StreamLine*

### Butterfly Valves SL



Sizes	Disc Material	Seats
2" ~ 12"	316 Stainless Steel Disc	EPDM BUNA VITON PTFE

- Built in ISO 5211 direct mounting pad for easy automation
- Ductile iron body with epoxy coating
- 316 Stainless Steel disc
- Wafer and Lug style
- PTFE stem bushings
- 10 position locking handle or gear operator

### Butterfly Valves B5



Sizes	Disc Materials	Seats
2" ~ 36"	Ductile Iron Disc Aluminum Bronze Disc 316 Stainless Steel Disc	EPDM BUNA

- Wafer and Lug style
- NSF / ANSI 61 & 372 Approved
- 200 PSI 2" - 12"
- 150 PSI 14" - 36"
- 10 Position Lever Handle 2" - 12"
- Gear Operator 2" - 36"
- One-Piece Valve Stem
- PTFE Graphite Stem Bushings
- Nickel Plated Ductile Iron Disc Standard
- Optional Aluminum Bronze or CF8M Stainless Steel Disc
- Extension Stem Kits available for special installations 24" - 72"

### Check Valve

CVC Ductile Iron Wafer Style



Sizes	Disc Material
2" ~ 16"	Aluminum Bronze Disc

- Check Valve-Wafer Style Body
- 300 WOG
- D.I. Body with 304 Stainless Steel Spring & Shaft
- Spring Loaded Double Aluminum Bronze Disc
- 6", 8", 10" and 12" Approved as Chemigation Valve
- Suitable for Vertical & Horizontal Installation
- Fits Flanges that Conform to ANSI B16.1
- Fusion Bonded Epoxy Coating
- ANSI / AWWA C550

# SVF Flow Controls Specialty Ball Valves



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.

## R88/89

Three-Piece Alloy 20 /Hastelloy  
Ball Valve  
Standard Port



## ALLOYS

Sizes	Materials	End Connections	Seat Materials
R88: 1/4" ~ 3" R89: 1/4" ~ 3"	Alloy 20 Hastelloy	Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends	TFM1600™ SupraLon™ Delrin® PEEK UHMWPE

- All wetted parts are 100% Hastelloy (ASTM A494 CW-12MW) or Alloy 20 (ASTM A351-CN7M)
- 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
- Other alloys include: Duplex, AL6XN, Inconel, Titanium, various grades of Stainless Steel and Bronze

## N8/BN8

Steam & Thermal Fluids  
Three-Piece Ball Valve  
N8 - Standard port  
BN8 - Full port



## STEAM & THERMAL FLUIDS

Sizes	Materials	End Connections	Seat Material
N8: 1/4" ~ 3" (1/4" & 3/8" Full Port) BN8: 1/2" ~ 2-1/2"	316 Stainless Steel Carbon Steel	Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends	SupraLon™

- High-performance design for industrial steam and thermal fluid applications
- SupraLon™ seats specifically designed for higher temperature, steam and thermal fluid applications up to 650° F
- Blowout proof stem adds safety and reliability
- Encapsulated body seal to facilitate welding without disassembly
- Three-Piece "swing out" design
- Live-loaded stem seal
- ISO 5211 mounting pad for easy actuation

# SVF Flow Controls Specialty Ball Valves

## C8

Chlorine Service  
Three-Piece Ball Valve  
Standard Port



## CHLORINE SERVICE

Sizes	Materials	End Connections	Seat Material
1/4" ~ 2"	Carbon Steel with Hastelloy or Monel Ball and Stem	Screwed Ends (FNPT) Socket Weld End Butt Weld Ends	TFM1600™

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

## 7B41

Hydrogen Peroxide  
ANSI Class 150  
Full Port  
Flanged Ball Valve



## HYDROGEN PEROXIDE SERVICE

Sizes	Material	End Connection	Seat Material
1/2" ~ 8"	Stainless Steel	150# Flanged Ends	TFM1600™

- 316 Stainless Steel cast materials
- Passivated for H<sub>2</sub>O<sub>2</sub> applications
- All valves cleaned, bagged and scaled according to ASTM6-93
- Built in ISO 5211 mounting pad for easy actuation
- TFM1600™ seats and PTFE seats are compatible with H<sub>2</sub>O<sub>2</sub>

## K8

Cryogenic  
Three-Piece Ball Valve  
Standard Port



## CRYOGENIC

Sizes	Material	End Connections	Seat Material
1/2" ~ 2"	316 Stainless Steel	Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends	PCTFE

- 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



# SVF Flow Controls Specialty Ball Valves

## V8

Characterized Control "V" Ball  
Three-Piece Ball Valve



30° "V" Ball

60° "V" Ball

## CHARACTERIZED CONTROL (3-PIECE) BALL VALVE

Sizes	Materials	End Connections	Seat Materials
1/2" ~ 2"	316 Stainless Steel Carbon Steel	Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends	SupraLon™ (standard) TFM1600™ Delrin® Peek UHMWPE

- Designed for fine control in a wide range of services
- Encapsulated body seals facilitate welding without disassembly
- Live-loaded stem seal ensures seal-tight pressure containment under continuous cycling
- Blowout proof stem adds safety and reliability
- Characterized "V" Balls available in 15°, 30° and 60° angles
- ISO 5211 mounting pad for easy actuation

## VB41 & VB42

ANSI Class 150 & Class 300  
Characterized Control "V" Ball  
Flanged Ball Valve



30° "V" Ball

60° "V" Ball

## CHARACTERIZED CONTROL (FLANGED) BALL VALVE

Sizes	Materials	End Connections	Seat Materials
1" ~ 6"	316 Stainless Steel Carbon Steel	150# Flanged Ends (VB41) 300# Flanged Ends (VB42)	SupraLon™ (standard) TFM1600™

- Designed for fine control in a wide range of services
- Standard Fire Safe certification to API 607, Anti-Static design
- Built-in ISO 5211 mounting pad for easy actuation
- Blowout proof stem adds safety and reliability
- Live-loaded stem seal ensures seal-tight pressure containment even under thermal cycling
- Characterized "V" Balls available in 15°, 30° and 60° angles

# SVF Flow Controls Direct Mount Packages



## BZ9 Direct Mount Package



- Sizes: 1/2" ~ 2"
- Bronze Three-Piece ball valve
- Pressure rated for 600 psi
- Full Port flow path for maximum flow
- Built-In ISO 5211 direct mounting pad for easy automation
- End connections include SE (Screwed Ends, FNPT) and TE (Sweat Ends)
- Three-piece "swing-out" design offers easy access for in0line maintenance

## SB9 Direct Mount Package



- Sizes: 1/2" ~ 4"
- Sanitary Ball Valve
- TFM1600™ seat and body seal material complies with FDA CFR Title 21 Part 177.1550
- "Tube-ID" flow path for drainability
- Three-Piece "swing out" design offers easy access for in-line maintenance
- Built-In ISO 5211 direct mounting pad for easy actuation
- Blowout proof stem adds safety & reliability
- All materials comply with applicable ASTM material specifications as well as FDA and USDA requirements
- End connections include Tri-Clamp and Extended Tube O.D.
- Standard Anti-Static Device

## MB51 Direct Mount Package



- Sizes: 1" ~ 6"
- Multi-Ported, Flanged 3-Way Ball Valve
- L-Port and T-Port options
- Positive shut-off on any of the three ports
- Built-In ISO 5211 direct mounting pad for easy automation
- Blowout proof stem adds safety and reliability
- Available in Stainless and Carbon Steel construction
- Full Port Flow Path for maximum flow
- ANSI 150 Flanged Ends

## MZ9B Direct Mount Package



- Sizes: 1/2" ~ 2"
- Economical 3-Way Ball Valve
- Pressure rated for 1000 WOG
- L-Port and T-Port options
- Positive shut-off on any of the three ports
- Full Port Flow Path for maximum flow
- Blowout proof stem adds safety and reliability
- Complete 316 Stainless Steel construction
- Threaded Ends (FNPT)

# SVF Flow Controls Direct Mount Packages

## EZ9 Direct Mount Package



- Sizes: 1/4" ~ 4"
- Pressure rated for 1000 WOG
- 316 Stainless Steel body, ball and stem
- 316 Stainless Steel ends
- Live-loaded stem seal design
- Blowout proof stem adds safety & reliability
- Screwed Ends (FNPT)

## BEV9 Direct Mount Package



- Sizes: 1/2" ~ 2" (Full Port)
- Pressure rated for 1000 WOG
- 316 Stainless Steel body, ball and stem
- 316 Stainless Steel ends
- Live loaded stem seal design
- Blowout proof stem adds safety& reliability
- Threaded Ends (FNPT)

## B41 Direct Mount Package



- Sizes: 1/2" ~ 8"
- Fire Safe Certification to API 607
- Certified to API-608 to meet the additional design, operational and performance requirements of the Petroleum, Refining, Petrochemical Processing and Chemical Processing Industries
- Standard NACE MR 0175
- Built-In ISO 5211 direct mounting pad
- Standard seat material is TFM1600™.
- Optional Seats for higher temperature, steam, and thermal fluid applications
- Live-loaded stem seal ensures seal-tight pressure containment

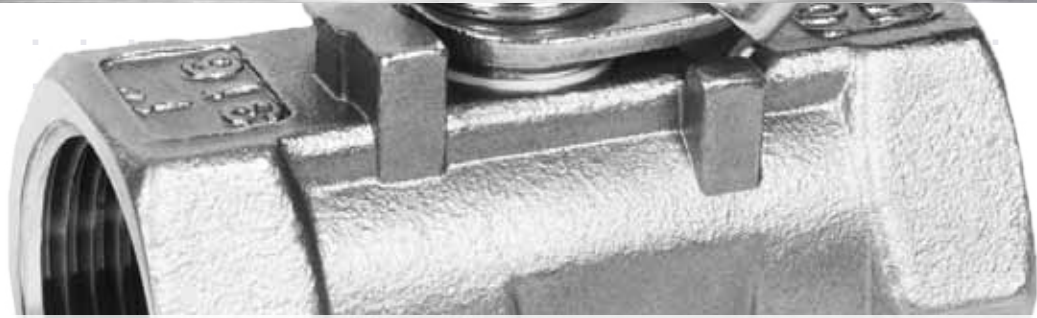
## StreamLine Butterfly Valve Direct Mount Package



## StreamLine

- Sizes: 2" ~ 12"
- 150 PSI Rated
- Epoxy coated Ductile Iron Body
- 316 Stainless disc & stem
- ISO 5211 Direct Mount pad
- Lug or Wafer Design

# SVF Flow Controls "C" Series Valves



## REV Series

One-Piece Standard Port  
1/4" to 2"



Sizes	Material	End Connection	Seat Material
1/4" ~ 2"	316 Stainless Steel	FNPT	RTFE

- W.P. 1000WOG
- W.T. -4°F - 392°F
- 316 Stainless Steel Body
- Investment Casting

- Blow-out Proof Stem
- Locking Handle
- Thread Type: ASTM B1.20.1 (FNPT)

## BEV Series

Two-Piece Standard Port  
1/4" to 3"



Sizes	Material	End Connection	Seat Material
1/4" ~ 3"	316 Stainless Steel	FNPT	RTFE

- W.P. 1000 WOG
- W.T. -4°F - 392°F
- 316 Stainless Steel Body

- Investment Casting
- Blow-out Proof Stem
- Locking Handle
- Thread Type: ASME B1.20.1 (FNPT)

## 25SS Series

Two-Piece Standard Port  
1/4" to 2"



Sizes	Material	End Connection	Seat Material
1/4" ~ 2"	316 Stainless Steel	FNPT	RTFE

- W.P. 1/4" ~ 1" - 2000 WOG
- 1-1/4" ~ 2" - 1500 WOG
- W.T. -4°F - 392°F
- 316 Stainless Steel Body

- Investment Casting
- Blow-out Proof Stem
- Locking Handle
- Thread Type: ASME B1.20.1 (FNPT)

## 25CS Series

Two-Piece Standard Port  
1/4" to 2"



Sizes	Material	End Connection	Seat Material
1/4" ~ 2"	Carbon Steel	FNPT	RTFE

- W.P. 1/4" - 1" - 2000 WOG
- 1-1/4" - 2" - 1500 WOG
- W.T. -4°F - 392°F
- Carbon Steel Body

- Investment Casting
- Blow-out Proof Stem
- Locking Handle
- Thread Type: ASME B1.20.1 (FNPT)



# SVF Flow Controls “C” Series Valves

## 759LH Series

Two-Piece Full Port  
1/4" to 4"



Sizes	Material	End Connection	Seat Material
1/4" ~ 4"	Brass C46500	FNPT	PTFE

- W.P. 600 WOG
- Forged Brass Body
- Blow-out Proof Stem
- Locking Handle
- Thread Type: ANSI B2.1

## BZ9 Series

Three-Piece Full Port  
1/2" to 2"



Sizes	Material	End Connection	Seat Material
1/2" ~ 2"	Bronze	FNPT Sweat Ends	PTFE

- Designed & built for economical performance
- Pressure rated for 600 psi
- Adjustable Screw Gland
- Tested and inspected to API-598 standard
- Built-In ISO 5211 direct mounting pad for easy automation
- Three-piece “swing out” design offers easy access for in-line maintenance

## EZ6 Series

Three-Piece Full Port  
1/4" to 4"



Sizes	Materials	End Connection	Seat Material
1/4" ~ 4"	316 Stainless Steel Carbon Steel	FNPT Socket Weld	RTFE

- W.P. 1000 WOG
- W.T. -4°F - 392°F
- Investment Casting
- Blow-out Proof Stem
- Locking Handle
- Thread Type: ASME B1.20.1 (FNPT)

## MZ9B Series

Multi-Ported Valve  
1/2" to 2"



Sizes	Material	End Connection	Seat Material
1/2" ~ 2"	316 Stainless Steel	FNPT	PTFE

- 316 Stainless Steel body, ball and stem
- Pressure rated for 1000 WOG Full Port flow path for maximum flow
- Designed & built for economical performance
- Threaded end connectors
- Lightweight and economical
- Vinyl grip handle
- Blowout proof stem adds safety & reliability
- Lockable handle

## B40 Series

Two-Piece Full Port  
1" to 6"



Sizes	Materials	End Connection	Seat Material
1" ~ 6"	316 Stainless Steel Carbon Steel	150# Flanged Ends	RTFE

- Full Port
- Two Piece
- W.P. ANSI Class 150
- W.T. -4°F - 392°F
- Non-Fire safe
- 316 Stainless Steel Body
- Investment Casting
- Blow-out Proof Stem
- Locking device
- Sizes 1" - 6"

# SVF Flow Controls “C” Series Valves

## 500F Series

Forged Gate Valve  
1/4" to 2"



Sizes	Materials	End Connections
1/4" ~ 2"	Stainless Steel (1/2" ~ 2") Carbon Steel (1/4" ~ 2")	FNPT Socket Weld

- Class 800
- Maximum Pressure 1975 PSI
- Maximum Temperature 850°F
- Bolted Bonnet
- API 602 compliant
- ASTM A105 or ASTM A182/316L
- Standard NACE MRO175

## 505F Series

Forged Globe Valve  
1/4" to 2"



Sizes	Materials	End Connections
1/4" ~ 2"	Stainless Steel (1/2" ~ 2") Carbon Steel (1/4" ~ 2")	FNPT Socket Weld

- Class 800
- Maximum Pressure 1975 PSI
- Maximum Temperature 850°F
- Bolted Bonnet
- API 602 compliant
- ASTM A105 or ASTM A182/316L
- Standard NACE MRO175

## 522F Series

Forged Check Valve  
1/4" to 2"



Sizes	Materials	End Connections
1/4" ~ 2"	Stainless Steel (1/2" ~ 2") Carbon Steel (1/4" ~ 2")	FNPT Socket Weld

- Class 800
- Maximum Pressure 1975 PSI
- Maximum Temperature 850°F
- Bolted Cover
- API 602 compliant
- ASTM A105 or ASTM A182/316L
- Standard NACE MRO175

# SVF Flow Controls “C” Series Valves

## 400 Series

Cast Steel Flanged Gate Valve  
2" to 12"



Sizes	Material	End Connection
2" ~ 12"	Cast Steel	150# Flanged Ends

- Cast Steel Flanged Gate Valve
- Maximum Pressure 285 PSI
- Maximum Temperature 1000°F
- Outside Screw & Yoke
- API 600 compliant
- ASTM A216
- Standard NACE MRO175

## 405 Series

Cast Steel Flanged Globe Valve  
2" to 12"



Sizes	Material	End Connection
2" ~ 12"	Cast Steel	150# Flanged Ends

- Cast Steel Flanged Globe Valve
- Maximum Pressure 285 PSI
- Maximum Temperature 1000°F
- Outside Screw & Yoke
- API 600 compliant
- ASTM A216
- Standard NACE MRO175

## 422 Series

Cast Steel Flanged Check Valve  
2" to 12"



Sizes	Material	End Connection
2" ~ 12"	Cast Steel	150# Flanged Ends

- Cast Steel Flanged Swing Check
- Maximum Pressure 285 PSI
- Maximum Temperature 1000°F
- Bolted Cover
- ASTM A216
- Standard NACE MRO175

# SVF Flow Controls “C” Series Valves



## BEV9B Series

Full Port  
1/2" to 2"



Sizes	Material	End Connection	Seat Material
1/2" ~ 2"	316 Stainless Steel	FNPT	PTFE

- 316 Stainless Steel Body, Ball and Stem
- Pressure rated for 1000 WOG
- Full Port for maximum flow
- Designed and built for economical performance
- Threaded end connectors
- Built-In ISO 5211 Direct Mounting Pad for easy actuation
- Blowout proof Stem adds safety and reliability

## EZ9B Series

Full Port  
1/4" to 4"



Sizes	Material	End Connection	Seat Material
1/4" ~ 4"	316 Stainless Steel	FNPT Socket Weld	PTFE

- 316 Stainless Steel Body, Ball and Stem
- Pressure rated for 1000 WOG
- Full Port for maximum flow
- Designed and built for economical performance
- Socket Weld complies with ANSI B16.11
- Anti-Static stem device standard
- Built-In ISO 5211 direct mounting pad for easy automation
- End connections include SE (Screwed Ends, FNPT) and SW (Socket Weld)
- Three-piece “swing out” design offers easy access for in-line maintenance
- Blowout proof stem adds safety & reliability
- Adjustable stem seal gland



# SVF Flow Controls Actuators and Controls



## **EZ-TORK Actuator**

- Hard Anodized aluminum housing
- Double Acting or Spring Return
- Nickel Plated Alloy drive shaft
- ISO/NAMUR design for universal mounting and accessory attachment
- Bi-Directional Stroke Adjustment
- 1/8", 1/4" FNPT & 1/2" air inlet manifold
- Actuator is designed for 120 psi supply air pressure



## **QUAD4 Actuator**

- ISO 5211 bottom flange for valve automation
- NAMUR output drive for installation of limit switches and positioners
- Anodized aluminum with polyester coating
- Available in Spring Return and Double Acting models
- NAMUR interface for mounting of solenoid valve
- 1/4" FNPT air inlet manifold
- Actuator is designed for 120 psi supply air pressure



## **aero2 Actuator**

- Hard Anodized aluminum housing
- "Versa-View" Continuous mechanical position indicator
- Nickel Plated Alloy drive shaft
- ISO/NAMUR design for universal mounting and accessory attachment
- Bi-Directional Stroke Adjustment
- 1/4" FNPT air inlet manifold
- Actuator is designed for 120 psi supply air pressure



## **E- SERIES Electric Actuator**

- Heavy duty, fully enclosed high performance motor rated for On/Off & modulating service
- Corrosion protection with thermally bonded polyester coating
- All motors feature integral thermal overload protection
- Designed for operation in temperatures from -40°F to 150°F



## **SR- SERIES Spring Return Electric Actuator**

- NEMA 4X, IP67 certified enclosure
- Heavy duty, fully enclosed high performance spring return fail safe actuator
- Superbly engineered, emergency shut down device designed for ball, butterfly and quarter turn valves
- Built in thermal protection prevents motor burnout
- Available 4-20mA signal input for controls
- Optional clutchless manual override
- Available for loads up to 2,302 in-lbs



## **EM- SERIES Electric Actuator**

- NEMA 4X, IP67 certified enclosure
- Heavy duty, fully enclosed high performance motor rated for On/Off & modulating service
- Built in thermal protection prevents motor burnout
- Available 4-20mA signal input for controls
- All models feature a manual override, ISO mounting pad and are wired for light indication
- Available for loads up to 39,825 in-lbs

# SVF Flow Controls Actuators and Controls



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.

## NEXUS-LP / NEXUS-LPX Discrete Valve Controller



The NEXUS-LP™ or NEXUS-LPX™ discrete valve controller provides an optimized solution for on/off valve control & position sensing for the process industries.

- Integrated Solution (switches, sensors, pilot and spool valve in a single platform)
- NEMA 4/4X, IP67 (NEXUS-LP™) or ATEX NEMA 7 (NEXUS-LPX™) certified
- Suitable for use on rotary applications for double acting or spring return actuators
- NAMUR and ISO 5211 adjustable bracket mounting
- 5/2 Aluminum spool valve, anodized and polyester coated
- 2 x 1/2" FNPT conduit entries
- Integrated pilot valve (Cv = 1.4) with manual override to operate spring return and double acting actuator

## NEXUS-LS / NEXUS-LX Limit Switch



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

- NEMA 4/4X, IP67 (NEXUS-LS™) or ATEX / NEMA 7 (NEXUS-LX™) certified
- "Quick-Set" cam is spring loaded and requires no special tools for calibration
- Dual 1/2" FNPT 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

## VECTOR-PV4 / PV7 / PV9 Pilot Valve



The VECTOR PV4, VECTOR PV7 or VECTOR PV9 pilot valves are UL/CSA approved, direct mount (NAMUR VDI/VDE 3845) valves used to pilot pneumatic actuators.

- NEMA 4/4X, IP67 (VECTOR PV4), ATEX NEMA 7 (VECTOR PV7) or Intrinsically Safe, IP65 (VECTOR PV9) certified
- May be used as a 3-way or 4-way pilot valve for spring return and double acting actuators respectively
- Available in different voltages (120 VAC, 220 VAC, 12VDC, 24 VDC).
- NAMUR mounting interface
- Class "F" coil standard (Vector PV4 and PV9), Class "H" coil standard (PV7)
- Easily field retrofitted for Spring Return and Double Acting applications

## EXACT XL / P3 Positioner



The EXACT XL Electro-Pneumatic (4-20mA) or EXACT P3 Pneumatic (3-15psi) positioners controls the position of a rotary actuator and its final control element by modulating the flow of air supply to the actuator.

- NEMA 4, IP66 certified
- EXACT XL controls the position of a rotary actuator in response to an analog 4-20mA signal input
- EXACT P3 controls the position of a rotary actuator in response to a controlled input pressure of 3 to 15psi
- NAMUR and ISO 5211 adjustable bracket mounting

## "V" Series Positioner



The "V" Series Electro-Pneumatic (4-20mA) or Pneumatic (3-15psi) positioners are designed and manufactured to offer years of trouble-free and economical operation.

- ATEX NEMA 7 or Intrinsically Safe certified
- Modular / field upgradable design
- Precision Click-Lock™ Calibration
- NAMUR and ISO 5211 mounting





## NEXUS-PS Proximity Switch



The NEXUS-PS™ is 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.

- Corrosion resistant (non-metallix + stainless construction)
- Hermetically sealed reed elements
- Handles both AC and DC current
- Zero power required to operate

## Declutchable Manual Override



The SVF Series “DMO” allows simple and reliable manual positioning of valves, dampers, and other quarter turn devices to override existing pneumatic or hydraulic rotary actuators.

- Compact, modular design - fits between valve and actuator for a complete manual override
- ISO 5211 Industry Standard mounting pad
- Three stage coupler (Actuator, Gear, Valve)
- Rugged declutch lever and engagement handle

## Gear Operator



The SVF Series “GO” manual quarter-turn gear operators are rugged, industrial grade products manufactured with steel housing components

- Cast Carbon steel housing
- Steel input shaft
- ISO 5211 Industry Standard mounting pad
- Integral position indicator

## Filter Regulator



The SVF Filter Regulator provides accurate pressure regulation and high moisture removal.

- Compact design
- Pressure gauge in PSI and BAR
- Maximum Pressure: 230 psi

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](mailto:Sales@SVF.net)
- Latin America: [LatinAmerica@SVF.net](mailto:LatinAmerica@SVF.net)  
(Se Habla Español)
- Other geographic locations: [International@SVF.net](mailto:International@SVF.net)

Technical Support: [Engineering@SVF.net](mailto:Engineering@SVF.net)

Finance Department: [Accounting@SVF.net](mailto:Accounting@SVF.net)

NEXTEK Controls Sales and Support:

- [Sales@NextekControls.net](mailto:Sales@NextekControls.net)

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