Industrial
High Pressure
Flanged
Hygienic
Direct Mount
“C” Series
Specialty Valves
Actuators
Controls
### INDUSTRIAL VALVES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>PORT SIZE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>R8</td>
<td>Three-Piece Ball Valve, High Pressure</td>
<td>Standard Port</td>
<td>4</td>
</tr>
<tr>
<td>B8</td>
<td>Three-Piece Ball Valve, High Pressure</td>
<td>Full Port</td>
<td>4</td>
</tr>
<tr>
<td>R89</td>
<td>Three-Piece Ball Valve, Direct Automation</td>
<td>Standard Port</td>
<td>4</td>
</tr>
<tr>
<td>B89</td>
<td>Three-Piece Ball Valve, Direct Automation</td>
<td>Full Port</td>
<td>4</td>
</tr>
<tr>
<td>L8</td>
<td>Three Piece Instrumentation Ball Valve</td>
<td>Tube-ID</td>
<td>5</td>
</tr>
<tr>
<td>F8</td>
<td>Three-Piece Ball Valve, Fire Safe</td>
<td>Standard Port</td>
<td>5</td>
</tr>
<tr>
<td>FB8</td>
<td>Three-Piece Ball Valve, Fire Safe</td>
<td>Full Port</td>
<td>5</td>
</tr>
<tr>
<td>D8/T7</td>
<td>Three-Piece Diverter Ball Valves</td>
<td>Standard Port</td>
<td>5</td>
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</table>

### HIGH PRESSURE VALVES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>PORT SIZE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7</td>
<td>Three-Piece Ball Valve, High Pressure to 6000 PSI</td>
<td>Standard Port</td>
<td>6</td>
</tr>
<tr>
<td>HBEV</td>
<td>Seal Welded Ball Valve, High Pressure to 6,000 PSI, Fire Safe</td>
<td>Full Port</td>
<td>6</td>
</tr>
<tr>
<td>P4</td>
<td>Three Piece Ball Valve, High Pressure to 5000 PSI</td>
<td>Standard Port</td>
<td>7</td>
</tr>
<tr>
<td>R8</td>
<td>Three-Piece Ball Valve, High Pressure, Process-Quality</td>
<td>Standard Port</td>
<td>7</td>
</tr>
<tr>
<td>B8</td>
<td>Three-Piece Ball Valve, High Pressure, Process-Quality</td>
<td>Full Port</td>
<td>7</td>
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### FLANGED VALVES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>PORT SIZE</th>
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</thead>
<tbody>
<tr>
<td>41C</td>
<td>ANSI Class 150 Flanged Ball Valve</td>
<td>Standard Port</td>
<td>8</td>
</tr>
<tr>
<td>B41C</td>
<td>ANSI Class 150 Flanged Ball Valve</td>
<td>Full Port</td>
<td>8</td>
</tr>
<tr>
<td>B42C</td>
<td>ANSI Class 300 Flanged Ball Valve</td>
<td>Full Port</td>
<td>9</td>
</tr>
<tr>
<td>B43C</td>
<td>ANSI Class 600 Flanged Ball Valve</td>
<td>Full Port</td>
<td>9</td>
</tr>
<tr>
<td>MB51</td>
<td>ANSI Class 150 Flanged Ball Valve, Multi-Ported</td>
<td>Full Port</td>
<td>9</td>
</tr>
</tbody>
</table>

### HYGIENIC VALVES - ALL SVF Hygienic Ball Valves are ASME-BPE Compliant

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>PORT SIZE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB7</td>
<td>Three-Piece Hygienic Ball Valve Cast</td>
<td>Tube-ID</td>
<td>10</td>
</tr>
<tr>
<td>SB7F</td>
<td>Three-Piece Hygienic Ball Valve Forged</td>
<td>Tube-ID</td>
<td>10</td>
</tr>
<tr>
<td>SB79</td>
<td>Three-Piece Hygienic Ball Valve, Hastelloy</td>
<td>Tube-ID</td>
<td>11</td>
</tr>
<tr>
<td>TSB7</td>
<td>Three-Piece Hygienic Ball Valve, Multi-Ported, Cast</td>
<td>Tube-ID</td>
<td>11</td>
</tr>
<tr>
<td>TSB7F</td>
<td>Three-Piece Hygienic Ball Valve, Multi-Ported, Forged</td>
<td>Tube-ID</td>
<td>11</td>
</tr>
<tr>
<td>SMC9</td>
<td>Multi-Ported Hygienic Ball Valve, Cast</td>
<td>Tube-ID</td>
<td>12</td>
</tr>
<tr>
<td>OPUS</td>
<td>Multi-Ported Hygienic Steam Trap Test Ball Valve</td>
<td>Tube-ID</td>
<td>12</td>
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</tbody>
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### SANITARY VALVES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>PORT SIZE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>SB9-ETO</td>
<td>Three-Piece Sanitary Ball Valve, ETO Ends</td>
<td>Tube-ID</td>
<td>13</td>
</tr>
<tr>
<td>SB9-TC</td>
<td>Three-Piece Sanitary Ball Valve, Tri-Clamp Ends</td>
<td>Tube-ID</td>
<td>13</td>
</tr>
</tbody>
</table>

### BUTTERFLY VALVES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL StreamLine™</td>
<td>Ductile Iron Body with Epoxy Coating, Wafer and Lug Style</td>
<td>14</td>
</tr>
<tr>
<td>B5</td>
<td>Nickel Plated Ductile Iron Disc, standard, NSF/ANSI 61 &amp; 372 Approved</td>
<td>14</td>
</tr>
<tr>
<td>CHECK VALVE</td>
<td>Wafer Body Style, Fusion Bonded Epoxy Coating ANSI/AWWA C550</td>
<td>14</td>
</tr>
</tbody>
</table>

### SPECIALTY VALVES

**SPECIALTY SERVICE**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALLOYS</td>
<td>R88/R89</td>
<td>All wetted parts are 100% Hastelloy</td>
</tr>
<tr>
<td>STEAM &amp; THERMAL FLUIDS</td>
<td>N8/NB8</td>
<td>SupraLon™ seats for applications to 650°F</td>
</tr>
<tr>
<td>CHLORINE SERVICE</td>
<td>C8</td>
<td>Ideal for use in dry or liquid Chlorine Service</td>
</tr>
<tr>
<td>HYDROGEN PEROXIDE</td>
<td>7B41</td>
<td>Passivated for H₂O₂ applications</td>
</tr>
<tr>
<td>CRYOGENIC</td>
<td>K8</td>
<td>Meets the testing requirements of BS6364 Standard</td>
</tr>
<tr>
<td>CONTROL BALL VALVE</td>
<td>V8</td>
<td>Three-Piece Valve, “V” Ball in 15°, 30° &amp; 60° angles</td>
</tr>
<tr>
<td>FLANGED CONTROL BALL VALVE</td>
<td>VB41 &amp; VB42</td>
<td>Fire Safe certification to API-607, Anti-Static design</td>
</tr>
<tr>
<td>PRODUCT</td>
<td>DESCRIPTION</td>
<td>PORT SIZE</td>
</tr>
<tr>
<td>----------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>BZ9</td>
<td>Three-Piece Bronze Ball Valve, Pressure rated for 600 PSI</td>
<td>Full Port</td>
</tr>
<tr>
<td>SB9</td>
<td>Three-Piece Sanitary Ball Valve, Standard Anti-Static device</td>
<td>Tube-ID</td>
</tr>
<tr>
<td>MB51</td>
<td>Multi-Ported Flanged Ball Valve, ANSI 150 Flanged Ends</td>
<td>Full Port</td>
</tr>
<tr>
<td>MZ9B</td>
<td>Multi-Ported Three-Way Ball Valve, Pressure rated for 1000 WOG</td>
<td>Full Port</td>
</tr>
<tr>
<td>EZ9</td>
<td>Three-Piece Ball Valve, Pressure rated for 1000 WOG</td>
<td>Full Port</td>
</tr>
<tr>
<td>BEV9</td>
<td>Two-Piece Ball Valve, Pressure rated for 1000 WOG</td>
<td>Full Port</td>
</tr>
<tr>
<td>B41</td>
<td>Flanged Ball Valve, Fire Safe Certification to API 607</td>
<td>Full Port</td>
</tr>
<tr>
<td>SL</td>
<td><em>SteamLine™</em> Butterfly Valve, 150 PSI rated, Lug or Wafer Design, Sizes 2&quot; ~ 12&quot;</td>
<td>Full Port</td>
</tr>
</tbody>
</table>

**“C” SERIES**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>PORT SIZE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>REV</td>
<td>One-Piece Ball Valve, 316 Stainless Steel, Rated to 1000 WOG</td>
<td>Standard Port</td>
<td>20</td>
</tr>
<tr>
<td>BEV</td>
<td>Two-Piece Ball Valve, 316 Stainless Steel, Rated to 1000 WOG</td>
<td>Standard Port</td>
<td>20</td>
</tr>
<tr>
<td>25SS</td>
<td>Two-Piece Ball Valve, 316 Stainless Steel, Rated up to 2000 WOG</td>
<td>Standard Port</td>
<td>20</td>
</tr>
<tr>
<td>25CS</td>
<td>Two-Piece Ball Valve, Carbon Steel Body, Rated up to 2000 WOG</td>
<td>Standard Port</td>
<td>20</td>
</tr>
<tr>
<td>759LH</td>
<td>Two-Piece Ball Valve, Forged Brass Body, W.P. to 600 WOG</td>
<td>Full Port</td>
<td>21</td>
</tr>
<tr>
<td>BZ9</td>
<td>Three-Piece Ball Valve, Bronze Body, Pressure rated for 600 PSI</td>
<td>Full Port</td>
<td>21</td>
</tr>
<tr>
<td>EZ6</td>
<td>Three-Piece Ball Valve, Investment Casting, W.P. 1000 WOG</td>
<td>Full Port</td>
<td>21</td>
</tr>
<tr>
<td>MZ9B</td>
<td>Three-Piece Multi-Ported Ball Valve, Pressure rated for 1000 WOG</td>
<td>Full Port</td>
<td>21</td>
</tr>
<tr>
<td>B40</td>
<td>Two-Piece Flanged Ball Valve, W.P. ANSI Class 150</td>
<td>Full Port</td>
<td>21</td>
</tr>
<tr>
<td>500F</td>
<td>Forged Gate Valve, Class 800, Maximum Pressure 1975 PSI, Standard NACE MR0175</td>
<td>Full Port</td>
<td>22</td>
</tr>
<tr>
<td>505F</td>
<td>Forged Globe Valve, Class 800, Maximum Pressure 1975 PSI, API 602 compliant</td>
<td>Full Port</td>
<td>22</td>
</tr>
<tr>
<td>522F</td>
<td>Forged Check Valve, Class 800, ASTM A105 or ASTMA182/316L, Bolted Cover</td>
<td>Full Port</td>
<td>22</td>
</tr>
<tr>
<td>400</td>
<td>Cast Steel Flanged Gate Valve, API 600 compliant, Standard NACE MR0175</td>
<td>Full Port</td>
<td>23</td>
</tr>
<tr>
<td>405</td>
<td>Cast Steel Flanged Globe Valve, ASTM A21, Standard NACE MR0175, API 600 compliant</td>
<td>Full Port</td>
<td>23</td>
</tr>
<tr>
<td>422</td>
<td>Cast Steel Flanged Check Valve, Maximum Temperature 1000°F, Maximum Pressure 285 PSI</td>
<td>Full Port</td>
<td>23</td>
</tr>
<tr>
<td>BEV9B</td>
<td>Two-Piece Ball Valve, Pressure rated for 1000 WOG, Full Port, Sizes 1/2&quot; ~ 2&quot;</td>
<td>Full Port</td>
<td>24</td>
</tr>
<tr>
<td>EZ9B</td>
<td>Three-Piece Ball Valve, Pressure rated for 1000 WOG, Full Port, Sizes 1/4&quot; ~ 4&quot;</td>
<td>Full Port</td>
<td>24</td>
</tr>
</tbody>
</table>

**ACTUATORS & CONTROLS**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EZ-TORK Actuator</td>
<td>Double Acting or Spring Return, ISO/NAMUR design</td>
<td>25</td>
</tr>
<tr>
<td>aero2 Actuator</td>
<td>Double Acting or Spring Return, Up to 120 PSI air supply</td>
<td>25</td>
</tr>
<tr>
<td>SL <em>Streamline™</em> Spring Return Electric Actuator</td>
<td>NEMA 4X, IP67 enclosure, Built-In Thermal protection</td>
<td>25</td>
</tr>
<tr>
<td>QUAD4 Four Piston Actuator</td>
<td>ISO 5211 bottom flange, Spring Return or Double Acting</td>
<td>25</td>
</tr>
<tr>
<td>E-SERIES Electric Actuator</td>
<td>Motors feature integral thermal overload protection</td>
<td>25</td>
</tr>
<tr>
<td>EM-SERIES Electric Actuator</td>
<td>Manual override, ISO mounting pad, wired for light infication</td>
<td>25</td>
</tr>
<tr>
<td>NEXUS-LP/LPX Discreet Valve Controller</td>
<td>NEMA 4/4X, IP 67 (LP) or [ATEX] NEMA 7 (LPX)</td>
<td>26</td>
</tr>
<tr>
<td>NEXUS-LS/LPX Limit Switch</td>
<td>NEMA 4/4X, IP 67 (LS) or [ATEX] NEMA 7 (LX)</td>
<td>26</td>
</tr>
<tr>
<td>VECTOR Pilot Valves, PV4-PV7-PV9</td>
<td>NEMA 4/4X IP67, [ATEX] NEMA 7 or Intrinsically Safe</td>
<td>26</td>
</tr>
<tr>
<td>EXACT-XL/EXACT-P3 POSITIONERS</td>
<td>Electro-Pneumatic (EXACT-XL) or Pneumatic (EXACT-P3)</td>
<td>26</td>
</tr>
<tr>
<td>&quot;V&quot; SERIES POSITIONER</td>
<td>[ATEX] NEMA 7 or Intrinsically Safe, Modular design</td>
<td>26</td>
</tr>
<tr>
<td>NEXU-PS Proximity Switch</td>
<td>Corrosion resistant, Handles both AC and DC current</td>
<td>27</td>
</tr>
<tr>
<td>DECLUTCHABLE MANUAL OVERRIDE - “DMO”</td>
<td>Compact &amp; Modular, Rugged declutch lever</td>
<td>27</td>
</tr>
<tr>
<td>GEAR OPERATOR</td>
<td>Cast Carbon Steel Housing, Steel input shaft, ISO 5211</td>
<td>27</td>
</tr>
<tr>
<td>FILTER REGULATOR</td>
<td>Compact design, Pressure gauge in PSI and BAR</td>
<td>27</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>R8: 1/4” ~ 3”</td>
<td>316 Stainless Steel</td>
<td>Screwed Ends (FNPT)</td>
<td>TFM1600™</td>
</tr>
<tr>
<td>(1/4” &amp; 3/8” Full Port)</td>
<td>Carbon Steel</td>
<td>Socket Weld Ends</td>
<td>Delrin®</td>
</tr>
<tr>
<td>B8: 1/2” ~ 2-1/2”</td>
<td>Hastelloy</td>
<td>Butt Weld Ends</td>
<td>PEEK</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>R9: 1/2” ~ 2”</td>
<td>316 Stainless Steel</td>
<td>Screwed Ends (FNPT)</td>
<td>TFM1600™</td>
</tr>
<tr>
<td>B9: 1/2” ~ 2”</td>
<td>Carbon Steel</td>
<td>Socket Weld Ends</td>
<td>Delrin®</td>
</tr>
</tbody>
</table>

- ISO 5211 mounting pad for easy “Direct Mount” actuation
- High Performance design
**L8**
Instrumentation Three-Piece Ball Valve

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; ~ 1&quot;</td>
<td>316 Stainless Steel</td>
<td>Compression Ends Compression Male Ends (without nut &amp; ferrules)</td>
<td>TFM1600™ SupraLon™ Delrin® PEEK UHMWPE</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>F8: 1/2&quot; ~ 2&quot;</td>
<td>316 Stainless Steel</td>
<td>Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends</td>
<td>SupraLon™ TFM1600™</td>
</tr>
<tr>
<td>FB8: 1/4&quot; ~ 2&quot;</td>
<td>Carbon Steel</td>
<td></td>
<td>PEEK (D8 Only)</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>D8: 1/4&quot; ~ 2&quot;</td>
<td>316 Stainless Steel</td>
<td>Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends</td>
<td>SupraLon™ TFM1600™</td>
</tr>
<tr>
<td>T7: 1/4&quot; ~ 2&quot;</td>
<td>Carbon Steel</td>
<td></td>
<td>PEEK (D8 Only)</td>
</tr>
</tbody>
</table>

- 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
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

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 2”</td>
<td>316 Stainless Steel Carbon Steel</td>
<td>Screwed Ends (FNPT) Socket Weld Ends SAE ends on 1/2” &amp; 1” Code 62 ends on 3/4” &amp; 1”</td>
<td>Delrin® PEEK</td>
</tr>
</tbody>
</table>

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

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 2”</td>
<td>316 Stainless Steel</td>
<td>Screwed Ends (FNPT) Socket Weld Ends SAE ends on 1/2” &amp; 1”</td>
</tr>
</tbody>
</table>
## P4 High Pressure to 5000 psi
### Three-Piece Ball Valve
- Standard Port

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; ~ 1&quot;</td>
<td>316 Stainless Steel</td>
<td>Screwed Ends (FNPT) Socket Weld Ends SAE Ends on 1/2&quot; &amp; 1&quot;</td>
<td>Delrin® PEEK</td>
</tr>
<tr>
<td></td>
<td>Carbon Steel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Pressure Sizes</td>
<td>316 Stainless Steel Carbon Steel</td>
<td>Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends</td>
<td>Delrin® PEEK</td>
</tr>
<tr>
<td>1/4&quot; ~ 1&quot; = 3000 psi</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-1/4&quot; ~ 2&quot; = 2000 psi</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Pressure Sizes</td>
<td>316 Stainless Steel Carbon Steel</td>
<td>Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends</td>
<td>Delrin® PEEK</td>
</tr>
<tr>
<td>1/2&quot; &amp; 3/4&quot; = 3000 psi</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1&quot; ~ 1-1/2&quot; = 2000 psi</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 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 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**

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connection</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 6”</td>
<td>316 Stainless Steel</td>
<td>150# Flanged Ends</td>
<td>TFM1600™ SupraLon™</td>
</tr>
<tr>
<td></td>
<td>Carbon Steel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 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**

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connection</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 8”</td>
<td>316 Stainless Steel</td>
<td>150# Flanged Ends</td>
<td>TFM1600™ SupraLon™</td>
</tr>
<tr>
<td></td>
<td>Carbon Steel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 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
**B42C**  
ANSI Class 300  
Full Port  
Flanged Ball Valve

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connection</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 8”</td>
<td>316 Stainless Steel Carbon Steel</td>
<td>300# Flanged Ends</td>
<td>TFM1600™ SupraLon™</td>
</tr>
</tbody>
</table>

**B43C**  
ANSI Class 600  
Full Port  
Flanged Ball Valve

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connection</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 8”</td>
<td>316 Stainless Steel Carbon Steel</td>
<td>600# Flanged Ends</td>
<td>TFM1600™ SupraLon™</td>
</tr>
</tbody>
</table>

**MB 51**  
ANSI Class 150  
Full Port  
Multi-Ported Flanged Ball Valve

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” ~ 4”</td>
<td>316 Stainless Steel Carbon Steel</td>
<td>150# Flanged Ends</td>
<td>RTFE</td>
</tr>
</tbody>
</table>
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

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connections</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 6”</td>
<td>316L Stainless Steel (ASTM A351 CF3MN)</td>
<td>Tri-Clamp Ends Extended Tube OD</td>
<td>TFM1600™</td>
</tr>
</tbody>
</table>

- 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

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connections</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 4”</td>
<td>316L Forged Stainless Steel (A182-F316L)</td>
<td>Tri-Clamp Ends Extended Tube OD</td>
<td>TFM1600™</td>
</tr>
</tbody>
</table>

- Controlled delta-ferrite chemistry
- Drainable design with “Tube-ID” dimensions
- Complies with 21 CFR 177.1550
- Tube-OD ends designed for orbital welding
### SB79
*Hygienic Three-Piece Hastelloy Ball Valve*

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connections</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; ~ 6&quot;</td>
<td>Hastelloy (ASTM A494 CW12MW)</td>
<td>Tri-Clamp Ends</td>
<td>TFM1600™</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Extended Tube OD</td>
<td></td>
</tr>
</tbody>
</table>

### TSB7
*Multi-Ported, Hygienic (Cast) Three-Piece Ball Valve*

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connections</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; ~ 4&quot;</td>
<td>316L Stainless Steel (ASTM A351 CF3MN)</td>
<td>Tri-Clamp Ends</td>
<td>TFM1600™</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Extended Tube OD</td>
<td></td>
</tr>
</tbody>
</table>

### TSB7F
*Multi-Ported, Hygienic (Forged) Three-Piece Forged Ball Valve*

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connections</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; ~ 4&quot;</td>
<td>316L Forged Stainless Steel (A182-F316L)</td>
<td>Tri-Clamp Ends</td>
<td>TFM1600™</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Extended Tube OD</td>
<td></td>
</tr>
</tbody>
</table>
SMC9
Multi-Ported, Hygienic (Cast)

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connections</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 4”</td>
<td>316L Stainless Steel (ASTM A351 CF3M)</td>
<td>Tri-Clamp Ends Extended Tube OD</td>
<td>TFM1600™</td>
</tr>
</tbody>
</table>

- ASME-BPE compliant
- Cavity filled TFM1600™ seat
- ISO 5211 mounting pad for easy “Direct Mount” actuation
- Drainable design with “Tube-ID” dimensions

OPUS™
Stream Trap Test Valve

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connections</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 2”</td>
<td>316L Stainless Steel (ASTM A351 CF3M)</td>
<td>Tri-Clamp Ends Extended Tube OD</td>
<td>TFM1600™</td>
</tr>
</tbody>
</table>

- 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
- Side Port design
- L-Port and T-Port options
- Blowout proof stem adds safety and reliability
- Positive shut-off on all three ports
- 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.
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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; ~ 4&quot;</td>
<td>Stainless Steel (ASTM A351 CF8M)</td>
<td>Extended Tube OD</td>
<td>TFM1600™</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; ~ 4&quot;</td>
<td>Stainless Steel (ASTM A351 CF8M)</td>
<td>Tri-Clamp Ends</td>
<td>PTFE</td>
</tr>
</tbody>
</table>

- 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
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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Disc Material</th>
<th>Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; ~ 12&quot;</td>
<td>316 Stainless Steel Disc</td>
<td>EPDM, BUNA, VITON, PTFE</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Disc Materials</th>
<th>Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; ~ 36&quot;</td>
<td>Ductile Iron Disc, Aluminum Bronze Disc, 316 Stainless Steel Disc</td>
<td>EPDM, BUNA</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Disc Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; ~ 16&quot;</td>
<td>Aluminum Bronze Disc</td>
</tr>
</tbody>
</table>

- 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
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.

**ALLOYS**

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>R88: 1/4&quot; ~ 3&quot;</td>
<td>Alloy 20</td>
<td>Screwed Ends (FNPT)</td>
<td>TFM1600™</td>
</tr>
<tr>
<td>R89: 1/4&quot; ~ 3&quot;</td>
<td>Hastelloy</td>
<td>Socket Weld Ends</td>
<td>SupraLon™</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Butt Weld Ends</td>
<td>Delrin®</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PEEK</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UHMWPE</td>
</tr>
</tbody>
</table>

- 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

**STEAM & THERMAL FLUIDS**

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>N8: 1/4&quot; ~ 3&quot; (1/4&quot; &amp; 3/8&quot; Full Port)</td>
<td>316 Stainless Steel Carbon Steel</td>
<td>Screwed Ends (FNPT)</td>
<td>SupraLon™</td>
</tr>
<tr>
<td>BN8: 1/2&quot; ~ 2-1/2&quot;</td>
<td>Carbon Steel</td>
<td>Socket Weld Ends</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Butt Weld Ends</td>
<td></td>
</tr>
</tbody>
</table>

- 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
## CHLORINE SERVICE

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 2”</td>
<td>Carbon Steel with Hastelloy or Monel Ball and Stem</td>
<td>Screwed Ends (FNPT) Socket Weld End Butt Weld Ends</td>
<td>TFM1600™</td>
</tr>
</tbody>
</table>

- 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

## HYDROGEN PEROXIDE SERVICE

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 8”</td>
<td>Stainless Steel</td>
<td>150# Flanged Ends</td>
<td>TFM1600™</td>
</tr>
</tbody>
</table>

- 316 Stainless Steel cast materials
- Passivated for H₂O₂ 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 H₂O₂

## CRYOGENIC

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connections</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 2”</td>
<td>316 Stainless Steel</td>
<td>Screwed Ends (FNPT) Socket Weld Ends Butt Weld Ends</td>
<td>PCTFE</td>
</tr>
</tbody>
</table>

- 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
CHARACTERIZED CONTROL (3-PIECE) BALL VALVE

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; ~ 2&quot;</td>
<td>316 Stainless Steel</td>
<td>Screwed Ends (FNPT)</td>
<td>SupraLon™ (standard)</td>
</tr>
<tr>
<td></td>
<td>Carbon Steel</td>
<td>Socket Weld Ends Butt Weld Ends</td>
<td>TFM1600™</td>
</tr>
</tbody>
</table>

- 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

CHARACTERIZED CONTROL (FLANGED) BALL VALVE

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
<th>Seat Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; ~ 6&quot;</td>
<td>316 Stainless Steel</td>
<td>150# Flanged Ends (VB41)</td>
<td>SupraLon™ (standard)</td>
</tr>
<tr>
<td></td>
<td>Carbon Steel</td>
<td>300# Flanged Ends (VB42)</td>
<td>TFM1600™</td>
</tr>
</tbody>
</table>

- 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 in-line 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**
- 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”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 2”</td>
<td>316 Stainless Steel</td>
<td>FNPT</td>
<td>RTFE</td>
</tr>
</tbody>
</table>

- W.P. 1000 WOG
- 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”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 3”</td>
<td>316 Stainless Steel</td>
<td>FNPT</td>
<td>RTFE</td>
</tr>
</tbody>
</table>

- 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”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 2”</td>
<td>316 Stainless Steel</td>
<td>FNPT</td>
<td>RTFE</td>
</tr>
</tbody>
</table>

- 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”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 2”</td>
<td>Carbon Steel</td>
<td>FNPT</td>
<td>RTFE</td>
</tr>
</tbody>
</table>

- 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)
**759LH Series**  
**Two-Piece Full Port**  
**1/4” to 4”**  
- W.P. 600 WOG  
- Forged Brass Body  
- Blow-out Proof Stem  

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 4”</td>
<td>Brass C46500</td>
<td>FNPT</td>
<td>PTFE</td>
</tr>
</tbody>
</table>

**BZ9 Series**  
**Three-Piece Full Port**  
**1/2” to 2”**  
- 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  

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 2”</td>
<td>Bronze</td>
<td>FNPT Sweat Ends</td>
<td>PTFE</td>
</tr>
</tbody>
</table>

**EZ6 Series**  
**Three-Piece Full Port**  
**1/4” to 4”**  
- 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)  

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 4”</td>
<td>316 Stainless Steel Carbon Steel</td>
<td>FNPT Socket Weld</td>
<td>RTFE</td>
</tr>
</tbody>
</table>

**MZ9B Series**  
**Multi-Ported Valve**  
**1/2” to 2”**  
- 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  

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 2”</td>
<td>316 Stainless Steel</td>
<td>FNPT</td>
<td>PTFE</td>
</tr>
</tbody>
</table>

**B40 Series**  
**Two-Piece Full Port**  
**1” to 6”**  
- 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”  

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” ~ 6”</td>
<td>316 Stainless Steel Carbon Steel</td>
<td>150# Flanged Ends</td>
<td>RTFE</td>
</tr>
</tbody>
</table>
### SVF Flow Controls “C” Series Valves

#### 500F Series
**Forged Gate Valve**  
1/4” to 2”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 2”</td>
<td>Stainless Steel (1/2” ~ 2”)</td>
<td>FNPT</td>
</tr>
<tr>
<td></td>
<td>Carbon Steel (1/4” ~ 2”)</td>
<td>Socket Weld</td>
</tr>
</tbody>
</table>

- 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”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 2”</td>
<td>Stainless Steel (1/2” ~ 2”)</td>
<td>FNPT</td>
</tr>
<tr>
<td></td>
<td>Carbon Steel (1/4” ~ 2”)</td>
<td>Socket Weld</td>
</tr>
</tbody>
</table>

- 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”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Materials</th>
<th>End Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 2”</td>
<td>Stainless Steel (1/2” ~ 2”)</td>
<td>FNPT</td>
</tr>
<tr>
<td></td>
<td>Carbon Steel (1/4” ~ 2”)</td>
<td>Socket Weld</td>
</tr>
</tbody>
</table>

- 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”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” ~ 12”</td>
<td>Cast Steel</td>
<td>150# Flanged Ends</td>
</tr>
</tbody>
</table>

- 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”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” ~ 12”</td>
<td>Cast Steel</td>
<td>150# Flanged Ends</td>
</tr>
</tbody>
</table>

- 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”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” ~ 12”</td>
<td>Cast Steel</td>
<td>150# Flanged Ends</td>
</tr>
</tbody>
</table>

- Cast Steel Flanged Swing Check
- Maximum Pressure 285 PSI
- Maximum Temperature 1000°F
- Bolted Cover

- Bolted Cover
- ASTM A216
- Standard NACE MRO175
**BEV9B Series**

Full Port

1/2” to 2”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” ~ 2”</td>
<td>316 Stainless Steel</td>
<td>FNPT</td>
<td>PTFE</td>
</tr>
</tbody>
</table>

- 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

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**EZ9B Series**

Full Port

1/4” to 4”

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Material</th>
<th>End Connection</th>
<th>Seat Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” ~ 4”</td>
<td>316 Stainless Steel</td>
<td>FNPT Socket Weld</td>
<td>PTFE</td>
</tr>
</tbody>
</table>

- 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
**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

**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

**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

**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

**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

**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
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.

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

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

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

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

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.

“How 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

Finance Department: Accounting@SVF.net

NEXTEK Controls Sales and Support:
• Sales@NextekControls.net

World Headquarters:
SVF Flow Controls, LLC
5595 Fresca Drive, La Palma, CA USA 90623
Toll Free: 1.800.783.7836
On the web: www.SVF.net