






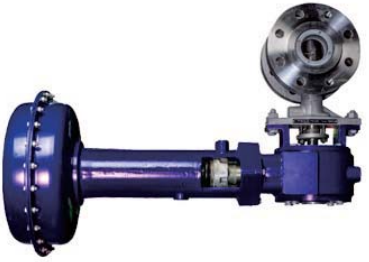
The **SSV** Control Valve is the manufacturer offering the most comprehensive variation of Fisher compatible Control Valves in North America. **SSV** Control Valve has authentic design, knowhow, manufacturing and service technology with proprietary improvement endorsed by decades of site applications and customer approvals all over the world. **SSV** Control Valves' sizing and selection software is even an Engineering masterpiece marrying original Fisher software and our modifications with improvements for tomorrow's industrial applications. The combined strength in design, manufacturing, service, sizing and selection capabilities provide customer the perfect and swift interchangeability with Fisher Control valves and technical data confirmation from our very own state of the art flow lab

**SEVERE SERVICE VALVE INC**

**Highly reliable flow control technologies help you regulate and isolate your processes with certainty.**

		
<p><b>MF300 Series</b></p>	<p><b>SG200 Series</b></p>	<p><b>CG200 Series</b></p>
<p><b>Configuration</b> Single-port, globe-style control valve , post guiding, unbalanced valve plug</p> <p><b>Rating Pressure</b> ASME 150 ~ 600 Class</p> <p><b>Size Range</b> 1/2" ~ 2"</p>	<p><b>Configuration</b> Single-port, globe-style control valve , post guiding, unbalanced valve plug</p> <p><b>Rating Pressure</b> ASME 150 ~ 600 Class</p> <p><b>Size Range</b> 1" ~ 4"</p>	<p><b>Configuration</b> Single-port, globe-style, Angle-Style control valve with cage guiding, balanced or unbalanced valve plug</p> <p><b>Rating Pressure</b> ASME 150 ~ 600 Class</p> <p><b>Size Range</b> 1" ~ 8"</p>

# CONTROL VALVE Product Guide

 <p><b>DF5900 Series</b></p> <p><b>Configuration</b> Single-port, globe-style, Angle-Style control valve with cage guiding, balanced or unbalanced valve plug</p> <p><b>Rating Pressure</b> ASME 900 ~ 2500 Class</p> <p><b>Size Range</b> 1" ~ 12"</p>	 <p><b>GF1000 Series</b></p> <p><b>Configuration</b> Single-port, globe-style control valve with cage guiding, balanced valve plug</p> <p><b>Rating Pressure</b> ASME 150 ~ 900 Class</p> <p><b>Size Range</b> 8" ~ 24"</p>	 <p><b>SV1500 Series</b></p> <p><b>Configuration</b> V-Notch control ball valve</p> <p><b>Rating Pressure</b> ASME 150 ~ 600 Class</p> <p><b>Size Range</b> 1" ~ 24"</p>
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Series	Model	Configuration	Size Range (Inch)	RT. Pressure (ANSI Class)	Body Type	Flow CHAR.	Trim			
							Standard	Miniflow	DFS	Dunlap
MF300 Series	MF300	Single-port , Post guiding , Unbalanced valve plug	1/2 ~ 2	150 ~ 600	Globe	Equal%	△	▲	○	○
SG200 Series	SG200	Single-port , Post guiding , Unbalanced valve plug	1 ~ 4	150 ~ 600	Globe	Equal% ; Linear ; Quick Open	▲	△	○	○
CG200 Series	CG200	Single-port ,Cage guiding , Balanced valve plug	1 ~ 8	150 ~ 600	Globe	Equal% ; Linear ; Quick Open	▲	○	▲	▲
	CG201	Single-port ,Cage guiding , Unbalanced valve plug	1 ~ 8	150 ~ 600	Globe	Equal% ; Linear ; Quick Open	▲	○	▲	▲
	CG210	Single-port ,Cage guiding , Balanced valve plug	1 ~ 6	150 ~ 600	Angle	Equal% ; Linear ; Quick Open	▲	○	○	▲
	CG211	Single-port ,Cage guiding , Unbalanced valve plug	1 ~ 6	150 ~ 600	Angle	Equal% ; Linear ; Quick Open	▲	○	▲	▲
DFS900 Series	DFS900	Single-port ,Cage guiding , Balanced valve plug	2 ~ 6	900 ~ 2500	Globe	Equal% ; Linear ; Mod Equal%	▲	○	▲	▲
	DFS901	Single-port ,Cage guiding , Unbalanced valve plug	1 ~ 3	900 ~ 2500	Globe	Equal% ; Linear ; Mod Equal%	▲	▲	▲	▲
	DFS903	Single-port ,Cage guiding , Balanced valve plug	2 ~ 12	900 ~ 2500	Globe	Equal% ; Linear ; Mod Equal%	▲	○	▲	○
	DFS910	Single-port ,Cage guiding , Balanced valve plug	2	900 ~ 2500	Angle	Equal% ; Linear ; Mod Equal%	▲	○	▲	▲
	DFS911	Single-port ,Cage guiding , Unbalanced valve plug	1 ~ 2	900 ~ 2500	Angle	Equal% ; Linear ; Mod Equal%	▲	▲	▲	▲

Product Guide  
**CONTROL VALVE**

# CONTROL VALVE Product Guide

Series	Model	Configuration	Size Range (Inch)	RT. Pressure (ANSI Class)	Body Type	Flow CHAR.	Trim			
							Standard	Miniflow	DFS	Dunlap
GF1000 Series	GF1000	Single-port ,Cage guiding , Balanced valve plug	8 ~ 24	150 ~ 900	Globe	Equal% ; Linear ; Quick Open	▲	○	▲	▲
	GF1001	Single-port ,Cage guiding , Unbalanced valve plug	8 ~ 12	150 ~ 900	Globe	Equal% ; Linear ; Quick Open	▲	○	○	▲
SV1500 Series	SV1500	V-Notch Control Valve	1 ~ 24	150 ~ 600	Straight	Equal% ;	▲	○	○	○

- ▲ **Allow**
- △ **Optional**
- **Unallowed**

**Miniflow** Miniflow is a trademark of SSV . Miniflow trims are used for micro-flow applications .

**DFS** DFS is a trademark of SSV . DFS trims are used for cavitating liquid applications .

**Dunlap** Dunlap is a trademark of SSV . Dunlap trim offers proven aerodynamic noise control that is effective for vapor, gas, or steam flow applications.



**SSV Noise Abatement Trims**



**SSV Multi-stage Anti-cavitation Trims**

 <p>Standard trim for SG200</p>	<p><b>Standard Trim (1)</b></p> <p><b>Features</b> Inter changeable, restricted-capacity trims and full-sized trims to match variable process flow demands</p> <p>Post guiding provides valve plug stability with less chance of as ticking valve plug due to non-lubricating or sticky process fluids or build-up of entrained solids. Post guiding stabilizes the valve plug at all points in its travel range to reduce vibration, mechanical noise, and trim wear.</p> <p>Flow-straightening, vane seat ring is available in full port and first reduction port sizes. It offers excellent open- and closed-loop performance and may be used as a direct replacement for the non-vane seat ring.</p> <p>The process fluid flows through the trim, flushing away solid deposits above and below the guide bushing, thus reducing the possibility of a sticking valve plug.</p> <p><b>Available</b> SG200</p>
 <p>Standard trim for CG200</p>	<p><b>Standard Trim (2)</b></p> <p><b>Features</b> Inter changeable, restricted-capacity trims and full-sized trims to match variable process flow demands</p> <p>Rugged cage guiding provides increased valve plug stability, which reduces vibration and mechanical noise.</p> <p>Increased wear resistance and dimensional standardization</p> <p>Application Flexibility – Wide variety of capacity.</p> <p>Economy - large capacity trims.</p> <p><b>Available</b> CG200 ; CG201 ; CG210 ; CG211 ; DFS900 ; DFS901 ; DFS910 ; DFS911 ; DFS903 ; GF1000 ; GF1001</p>
 <p>DFS   2-Stage Cage for DFS900</p>	<p><b>DFS Anti-Cavitation Cage</b></p> <p><b>Features</b> DFS I trim can lengthen valve service life and reduce maintenance downtime. The shape and spacing of holes in the cage wall circumference helps prevent cavitation in a properly sized valve, effectively controlling or helping to eliminate (depending upon service conditions) cavitation damage and resulting valve failure.</p> <p>Consult your SSV sales office for additional information.</p> <p>Standard hardened trim materials provide excellent wear resistance, resulting in long trim life. The contoured valve plug seat reduces fluid separation, helps direct fluid away from trim, and helps protect against erosion damage.</p> <p>Consult your <b>SSV</b> sales office for additional information.</p> <p><b>Available</b> CG200 ; CG201 ; CG210 ; CG211 ; DFS900 ; DFS901 ; DFS910 ; DFS911 ; DFS903 ; GF1000</p>

Product Guide  
CONTROL VALVE



 <p><b>Dunlap II Trim</b></p>	<p><b>DFS II Anti-Cavitation Trim</b></p> <p><b>Features</b></p> <ul style="list-style-type: none"> <li>Designed to prevent cavitation.</li> <li>Has a pressure drop limit of 552 bar (8000 psi).</li> <li>The protected seat design separates the shutoff function from the throttling function to protect seating surfaces from throttling wear.</li> <li>Hardened trim materials provide excellent wear resistance, resulting in long trim life.</li> <li>Soft metal-to-metal seat provides tight shutoff without the need for periodic lapping.</li> </ul> <p>Consult your <b>SSV</b> sales office for additional information.</p> <p><b>Available</b> Customizable</p>
 <p><b>Dunlap I Cage</b></p>	<p><b>Dunlap I Noise Abatement Cage</b></p> <p><b>Features</b></p> <p>The Dunlap I cage offers excellent noise reduction and high flow capacity.</p> <p>Use of a Whisper Trim I cage in a properly sized valve can result in up to 18 dBA noise reduction compared to the same valve with standard trim. An 18 dBA reduction in noise represents approximately 98 percent reduction in sound intensity. This is similar to moving away from the noise source by 24m (78 ft).</p> <p>Consult your <b>SSV</b> sales office for additional information.</p> <p><b>Available</b> CG200 ; CG201 ; CG210 ; CG211 ; DFS900 ; DFS901 ; DFS910 ; DFS911 ; GF1000 ; GF1001</p>
 <p><b>Dunlap II B3 Cage</b></p>	<p><b>Dunlap II Noise Abatement Cage</b></p> <p><b>Features</b></p> <p>Use of a <b>Dunlap II</b> cage in a properly sized valve can result in a noise reduction up to 30dBA compared to the same valve with standard trim. Such a reduction would be similar to the reduction in noise level noticed when moving away from the noise source 94m (308 feet)</p> <p>Use of a Dunlap II cage provides excellent noise reduction and high flow capacity with the proven control and durability offered by standard SSV valve trims. The result: optimum overall performance at a minimum investment.</p> <p>Hardened materials of construction are standard to provide exceptional wear resistance. For more information about trim materials, see the appropriate valve body bulletin.</p> <p>Consult your <b>SSV</b> sales office for <b>Dunlap III</b> and additional information.</p> <p><b>Available</b> CG200 ; CG201 ; CG210 ; CG211 ; DFS900 ; DFS901 ; DFS910 ; DFS911 ; GF1000 ; GF1001</p>

 <p><b>Miniflow-M1 Trim</b></p>	<p><b>Miniflow Trim ( M1 )</b></p>	<p><b>Features</b> <b>Miniflow-M1</b> trim is a contoured plug, equal percent trim for low flow applications. This plug characterized trim is available in 0.25 inch and larger ports. Miniflow M1 trim is used in flow up applications and not recommended for flow down use. Depending on valve type, this trim is either cage-guided, stem-guided, or post-guided .</p> <p><b>Available</b> MF300 ; DFS901 ; DFS911</p>
 <p><b>Miniflow-M2 &amp; M3 Plug</b></p>	<p><b>Miniflow Trim ( M2 &amp; M3 )</b></p>	<p><b>Features</b> <b>Miniflow-M2</b> trim is for low flow equal percent control applications. Standard trim material is R30006/CoCr-A and S44004. Miniflow-M2 trim is port guided. The plug tip rides in the seat ring, which is the area where energy is dissipated. Typical applications are port diameters as small as 0.25 inch and flow up (with some flow down applications).</p> <p><b>Miniflow-M3</b> trim provides linear ultra low flow control in gas and liquid applications. Typical application for this trim is flow up, 0.1875 inch port diameter, and 0.75 inch travel. This is a very rugged, tough trim and therefore available in limited materials, such as R30006/CoCr-A. Miniflow-M3 Flow trim construction consists of a very tightly controlled angle milled on a flat. This low angle flat provides the required flow control. This unbalanced trim, with a linear plug characteristic.</p> <p><b>Available</b> MF300 ; DFS901 ; DFS911</p>
 <p><b>Miniflow-M4 Trim</b></p>	<p><b>Miniflow Trim ( M4 )</b></p>	<p><b>Features</b> <b>Miniflow-M4</b> trim is a plug-characterized design with a series of flats on a common stem to provide staged cavitation control. Flow direction is typically flow down, but flow up use is possible in special cases. Consult your SSV sales office for additional information. This trim is used to eliminate cavitation. Features include a protected seat design and pressure drops in excess of 4000 psi. To maximize seat life in cavitating environments, staged flow control as low as Cv = 0.01 is possible. This trim must be used with hardened materials, such as R30006/CoCr-A and S44004.</p> <p><b>Available</b> CG201 ; DFS901</p>