

DFT® MSV-100®

The **MSV-100® Control Valve** is designed for flanged applications where repairs are commonly made on the bench. The seat and internal design are based upon our Severe Service valves, providing the same rugged reliability for medium service applications. The MSV-100® can be used for on/off service or modulating control in gas, liquid and steam applications.

MSV-100® FEATURES:

- 1" to 4"
- ANSI 600 to 1500
- Carbon Steel, Alloy Steel and Stainless Steel
- ANSI RF ends
- Top entry
- Straight-Thru Design
- Pneumatic, Electric or Manual Actuation



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DFT[®]
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DFT® MSV-100®

MATERIALS OF CONSTRUCTION*			
COMPONENT	CARBON STEEL	ALLOY STEEL	STAINLESS STEEL
Bonnet/Bottom Cover	A216 WCB	A217 WC9	A351 CF8M
Stem	410 SS Heat Treated & Hardened		17-4PH
Cage	410 SS Heat Treated & Hardened		
Gland	303 SS		
Follower	Carbon Steel		316 SS
TRIM STYLE			
	Standard	Feedwater	Steam
Ball	440C	Ultra-Loy™ Ceramic	Stellite®
Seat	422 SS Heat Treated & Hardened		Stellite®
Sleeve	422 SS Heat Treated & Hardened		17-4PH
SEALS			
	Low Temperature <350° F (177° C)		350 - 1000° F (177 - 538° C)
Packing	Teflon Chevron Style		Graphite
Bonnet	Spiral Wound Gasket 304/Graphite		
MANUAL VALVES			
Yoke	Carbon Steel		Stainless Steel
Handwheel	Cast Iron		
Stem Nut	Bronze		

*Standard materials of construction are shown. These materials can be modified for special applications. Contact the factory for more information.

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Nominal Valve Size		MSV-100 Face to Face Dimensions**					
		ANSI Class 600		ANSI Class 900		ANSI Class 1500	
NPS	DN	in	mm	in	mm	in	mm
1	25	8.25	210	11.50	292	11.5	292
1 1/2	40	9.88	251	13.12	333	13.12	333
2	50	11.25	286	14.75	375	14.75	375
3	80	13.25	337	17.38	442	18.12	460
4	100	15.580	394	18.00	457	21.50	530

** Dimensions per ISA S75.03/S75.16