

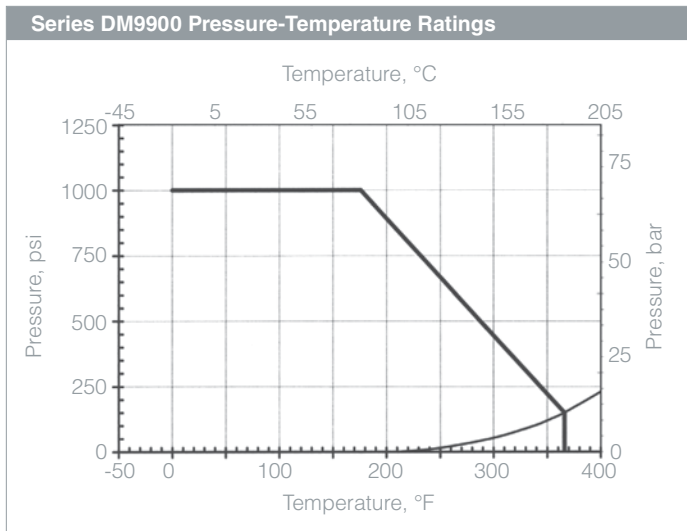


**Features**

- Investment cast body construction
- ISO 5211 actuator mounting pad
- Blow-out proof stem
- PTFE seats, O-ring backed low operating torque
- O-ring stem seals
- 100% tested

**DM9900F-XXX-S6 Series Full Port Ball Valve**

Quick Spec	
Product Scope	
Size Range	1/4" – 2", Full Port
Body Type	2-pc, End Entry, FNPT Ends
Pressure Rating	1000 psi WOG (69 bar)
Temperature Range / WSP	-20°F thru 366°F / 150 psi Steam -29°C thru 186°C / 10,3 bar Steam
Body	Stainless Steel
Trim	Stainless Steel, Anti-Static Design
Seats	PTFE, Viton O-ring backed
Stem Seals/Bearing	2x's Viton O-rings / PTFE
Operator / Mtg Pad	Lever Not Available / ISO 5211
Design Standards	
Threaded End Design	ASME B1.20.1
Testing Standards	
Pressure Testing	MSS-SP-110



**Materials of Construction**

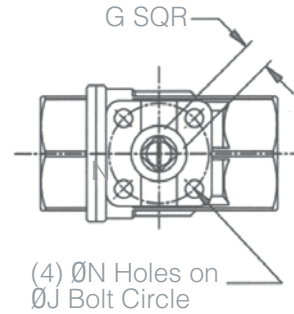
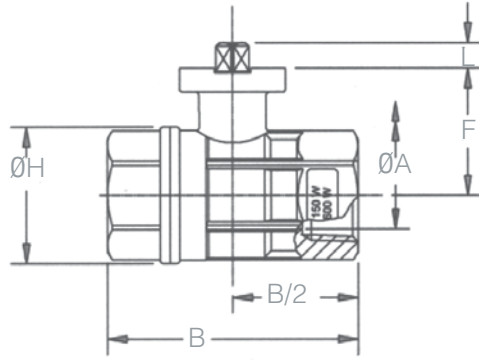
Part	Material
Body	ASTM A276 Gr CF8M
End Cap	ASTM A276 Gr CF8M
Ball	AISI 316 SS or Gr CF8M
Stem	AISI 316 SS
Seat	PTFE
O-Ring, Seat	FKM
Thrust Washer, Stem	PTFE
O-Ring, Stem	FKM
Seal, Stem	PTFE

**Technical Specifications**

Valve Size Inches	Operating Torque, in-lb	Flow Coefficient, Cv
1/4", 1/2"	38	19.4
3/4"	45	35.1
1"	53	51.2
1-1/4"	66	106
1-1/2"	90	274
2"	151	315

**Technical Specifications, metric**

Valve Size NPS	Operating Torque, N.m	Flow Coefficient, Kv
DN8, DN15	4,3	16,7
DN20	5,1	30,2
DN25	6,0	44
DN32	7,5	91
DN40	10,2	236
DN50	17,0	271



ART1010

Dimensions, Inches										
Valve Size	DM9900 Series									
Inches	ØA Port	B Length	F C/L-Pad	ØH Body OD	ISO	ØJ B.C.	ØN Hole	G Stem Sq	L Stem Ext	Wt (lbs)
1/4", 1/2"	0.56	2.63	1.28	1.35	F03	1.42	0.23	0.350	0.35	0.68
3/4"	0.75	3.07	1.36	1.65	F03	1.42	0.23	0.350	0.35	0.91
1"	0.95	3.54	1.75	2.02	F03	1.42	0.23	0.350	0.35	1.35
1-1/4"	1.18	3.93	1.89	2.53	F03	1.42	0.23	0.350	0.35	2.22
1-1/2"	1.49	4.40	2.48	3.03	F05	1.97	0.27	0.430	0.43	3.69
2"	1.97	5.31	2.84	3.81	F05	1.97	0.27	0.430	0.43	6.49

Dimensions, mm										
Valve Size	DM9900 Series									
NPS	ØA Port	B Length	F C/L-Pad	ØH Body OD	ISO	ØJ B.C.	ØN Hole	G Stem Sq	L Stem Ext	Wt (kgs)
DN8, DN15	14,2	66,8	32,5	34,3	F03	36,0	5,8	8,89	8,9	0,31
DN20	19,1	78,0	34,5	41,9	F03	36,0	5,8	8,89	8,9	0,41
DN25	24,1	89,9	44,5	51,3	F03	36,0	5,8	8,89	8,9	0,61
DN32	30,0	99,8	48,0	64,3	F03	36,0	5,8	8,89	8,9	1,01
DN40	37,8	111,8	63,0	77,0	F05	50,0	6,9	10,92	10,9	1,67
DN50	50,0	134,9	72,1	96,8	F05	50,0	6,9	10,92	10,9	2,94

How to Order					
Valve Series	Port Design	Size	Body Material	Packing/Seat	End Connections
DM9900	F = Full Port	025	S6 = CF8M	A = PTFE/PTFE	A = FNPT (Standard)
		050			
		075			
		100			
		125			
		150			
		200			

Sample Ordering Schematic

DM9900	F	050	S6	A	A
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## Marwin Valve

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