



Bolt Guides Vary by Valve Size

Ref. No.	Description	Material	Qty	Remarks
1	Retaining Plate	ASTM A283D-A36 STEEL	1	Galvanized
2	Retaining Plate Screw	ASTM A283D-A36 STEEL	2	Galvanized, 14"
3	Ingress Stem Seal	SAME AS SEAT MATERIAL	3	Galvanized, 16" & Up
4	Stem Bushing	PTFE	2	1 Upper, 1 Lower
4A	Upper Hard Bushing	ASTM B584 C83600 BRONZE	1	
4B	Lower Hard Bushing	ASTM B584 C83600 BRONZE	1	
5	Body	ASTM A536 65-45-12 DUCTILE IRON	1	
6	Upper Stem	416SS STAINLESS STEEL	1	
7	Seat	EPDM or BUNA	1	
8	Disc	JIS H 5114 ALUMINUM BRONZE	1	
9	Lower Stem	416SS STAINLESS STEEL	1	
10	Plug	ASTM A283D-A36 STEEL	1	Sizes 14"-16"
11	Bottom Plate	ASTM A283D-A36 STEEL	1	Zinc Plated, Sizes 18"-24"
12	Bottom Plate Screw	ASTM A283D-A36 STEEL	4	Zinc Plated, Sizes 18"-24"
20	Gear Housing	ASTM A126 CAST IRON	1	
21	Gear Drive	ASTM A536 65-45-12 DUCTILE IRON	1	Not Shown
22	Gear Input Shaft	STEEL	1	Nickel Plated
23	Hand Wheel	ASTM A126 CAST IRON	1	
24	Gear Mounting Bolt	ASTM A283D-A36 STEEL	4	Zinc Plated

		Ratings	
Working Pressure		150 PSI	
Test Pressure	SHELL	225 PSI	
	SEAT	165 PSI	
Working Temperature	NBR	-4 °F to 194 °F	
	EPDM	-22 °F to 230 °F	

NOTE:

1. Valve design in accordance with API 609A, MSS SP-67
2. Testing in accordance with API 598, MSS SP-61
3. The laying length of valve conforms to ISO 5752 PN 10/16 SHORT
4. Dimensions for mounting flange conform to ANSI B16.1 150 PSI

Size	A	B	ØD	H1	H2	G1	G2	L1	H3	ØU	P	ØQ	ØS	ØT	W1	W2	X
14	4.96	12.83	12.99	10.41	13.60	11.81	8.46	3.07	2.81	4.92	0.79	4.02	0.47	1.10	0.39	0.20	2.36
16	5.45	14.82	14.92	11.75	13.76	11.81	8.86	4.02	3.15	6.89	0.91	5.51	0.71	1.26	0.39	0.20	2.36
18	6.36	17.09	17.20	13.78	15.75	15.55	8.86	4.49	3.15	6.89	0.91	5.51	0.71	1.50	0.47	0.20	2.36
20	7.15	19.13	19.29	14.96	17.32	15.55	10.12	5.00	3.54	8.27	0.91	6.50	0.87	1.77	0.47	0.20	2.76
24	8.28	22.46	22.62	17.32	20.08	15.55	10.12	6.06	3.74	8.27	0.91	6.50	0.87	2.17	0.55	0.20	2.76

FNWTM

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TITLE/DESCRIPTION

Figure 711 Wafer Style
Resilient Cartridge Seat
14" to 24" Gear Operated

DATE:	7-5-2012	BY:	PEA	NUMBER:	
REV:	0	APVD:	KMC		

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