



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	1	
4A	Upper Hard Bushing	ASTM B584 C83600 BRONZE	2	Sizes 14"-24"
4B	Lower Hard Bushing	ASTM B584 C83600 BRONZE	1	Sizes 14"-24"
5	Body	ASTM A536 65-45-12 DUCTILE IRON	1	
6	Upper Stem	ASTM A276 SUS 316 STAINLESS	1	
7	Seat	EPDM or BUNA	1	
8	Disc	ASTM A351 CF8M, STAINLESS	1	
9	Lower Stem	ASTM A276 SUS 316 STAINLESS	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		188 PSI	
Test Pressure	SHELL	282 PSI	
	SEAT	206.8 PSI	
Working Temperature	NBR	-4 °F to 194 °F	
	EPDM	-22 °F to 230 °F	

NOTE:  
 1. Valve design and testing to be in accordance with API 609A, MSS SP-67 TYPE 1  
 2. The laying length of valve conforms to ISO 5752 PN 10/16 SHORT, BS5155 PN 10/16 SHORT  
 3. Dimensions for topworks conform to ISO 5211  
 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	4.9606	12.835	12.992	10.413	13.602	11.811	8.4645	3.0709	2.815	4.9212	0.7874	4.0157	0.4724	1.1024	0.3937	0.1968	2.3622
16	5.4527	14.823	14.921	11.752	13.76	11.811	8.8582	4.0157	3.1496	6.8897	0.9055	5.5118	0.7087	1.2598	0.3937	0.1968	2.3622
18	6.3582	17.087	17.205	13.779	15.748	15.551	8.8582	4.4882	3.1496	6.8897	0.9055	5.5118	0.7087	1.4961	0.4724	0.1968	2.3622
20	7.1456	19.134	19.291	14.961	17.323	15.551	10.118	5	3.5433	8.2677	0.9055	6.496	0.8661	1.7716	0.4724	0.1968	2.7559
24	8.2775	22.461	22.618	17.323	20.079	15.551	10.118	6.063	3.7401	8.2677	0.9055	6.496	0.8661	2.1653	0.5512	0.1968	2.7559

FNW™

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TITLE/DESCRIPTION: Figure 731 Wafer Style Resilient Cartridge Seat 14" to 24" Gear Operated

DATE: 6-29-2012 BY: PEA NUMBER: 731\_14-24  
 REV: 0 APVD: KMC

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