



**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

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
3	Ingress Stem Seal	SAME AS SEAT MATERIAL	1	
4	Stem Bushing	PTFE	2	1 Upper, 1 Lower, Sizes 2"-3"
			4	2 Upper, 2 Lower, Sizes 4"-12"
5	Body	ASTM A126 CAST IRON	1	Sizes 2"-10"
		ASTM A536 65-45-12 DUCTILE IRON		Sizes 12"
6	Upper Stem	ASTM A276 SUS 316 STAINLESS	1	
7	Seat	EPDM or BUNA VITON®	1	
8	Disc	ASTM A351 CF8M, STAINLESS	1	
9	Lower Stem	ASTM A276 SUS 316 STAINLESS	1	
10	Plug	ASTM A283D-A36 STEEL	1	
13	Lever Stop Plate	ASTM A283D-A36 STEEL	1	
14	Lever	ASTM A47 Gr 32510 MALLEABLE IRON	1	
15	Lever Washer	ASTM A283D-A36 STEEL	1	Zinc Plated, Sizes 2"-8"
16	Lever Bolt	ASTM A283D-A36 STEEL	1	Zinc Plated, Sizes 2"-8"

		Ratings	
Working Pressure		255 PSI	
Test Pressure	SHELL	382 PSI	
	SEAT	281 PSI	
Working Temperature	NBR	-4 °F to 194 °F	
	EPDM	-22 °F to 230 °F	
	Viton®	-14 °F to 320 °F	

**FNW**™

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**TITLE/DESCRIPTION**

Figure 731 Wafer Style  
Resilient Cartridge Seat  
2" to 12" Lever Operated

DATE: -06-2017

BY: CA

NUMBER:

REV: 0

APVD: MC

**731\_2-12**

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UNITS: INCHES

SCALE: NTS

PAGE 1 OF 1

Size	A	B	ØD	H1	H2	H4	L1	L2	H3	ØU	P	ØQ	ØS	T	ØV
2	0.18	1.93	2.05	2.77	5.06	1.06	1.69	11.37	0.60	3.54	0.55	2.76	0.35	0.43	0.55
2-1/2	0.41	2.52	2.64	2.95	5.36	1.06	1.81	11.37	0.60	3.54	0.55	2.76	0.35	0.43	0.55
3	0.67	3.03	3.15	3.67	5.64	1.06	1.81	11.37	0.60	3.54	0.55	2.76	0.35	0.43	0.55
4	0.94	3.82	3.94	4.18	6.41	1.06	2.05	11.37	0.70	3.54	0.63	2.76	0.35	0.55	0.63
5	1.36	4.80	4.92	4.69	7.34	1.06	2.20	11.37	0.70	3.54	0.63	2.76	0.35	0.55	0.71
6	1.86	5.83	5.93	5.48	7.98	1.06	2.20	11.37	0.70	3.54	0.63	2.76	0.35	0.55	0.71
8	2.69	7.62	7.74	6.51	9.34	1.06	2.36	17.83	0.81	3.54	0.67	2.76	0.35	0.67	0.87
10	3.52	9.62	9.72	7.86	11.13	1.02	2.68	17.83	0.81	4.92	0.79	4.02	0.43	0.87	1.00
12	4.28	11.54	11.63	9.47	12.27	1.02	3.07	17.83	0.95	4.92	0.79	4.02	0.79	0.87	1.10