



**NOTE:**

1. VALVE DESIGN AND TESTING TO BE IN ACCORDANCE WITH API609A AND 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 150PSI.

As of 12/2009, the indicated stem changes (in red) were instituted at the factory. If actuating, verify stem dimensions prior to fabrication.

FEATURES		
WORKING PRESSURE		255 PSI
TEST PRESSURE	SHELL	382 PSI
	SEAT	281 PSI
WORKING TEMP.	NBR	-4°F to 194°F
	EPDM	-22°F to 230°F

SIZE	A	B	ØD	E	H1	H2	H3	H4	L1	L2	C	ØH	N	P	ØQ	R	ØS	T	ØU	ØV
2"	0.18	1.93	1.99	3.66	2.77	5.06	0.60	1.06	1.69	11.37	4.75	0.75	4	0.55	2.76	4	0.35	0.43	3.54	0.55
2-1/2"	0.41	2.52	2.61	4.25	2.95	5.36	0.60	1.06	1.81	11.37	5.50	0.75	4	0.55	2.76	4	0.35	0.43	3.54	0.55
3"	0.67	3.03	3.11	4.96	3.67	5.64	0.60	1.06	1.81	11.37	6.00	0.75	4	0.55	2.76	4	0.35	0.55	3.54	0.63
4"	0.94	3.82	3.92	5.91	4.18	6.41	0.70	1.06	2.05	11.37	7.50	0.75	8	0.63	2.76	4	0.35	0.55	3.54	0.63

0.43 (11mm)

0.55 (14mm)

ITEM	DESCRIPTION	MATERIAL	QTY	REMARKS
1	STEM RETAINING PLATE	ASTM A283D-A36, STEEL	1	GALVANIZED
2	RETAINING PLATE SCREW	ASTM A283D-A36, STEEL	2	GALVANIZED
3	O-RING PACKING	EPDM	2	MOLDED IN 1 PIECE
4	STEM BUSHING	PTFE	2	2 TO 2-1/2", 1 UPPER, 1 LOWER
			3	3", 2 UPPER, 1 LOWER
			4	4", 2 UPPER, 2 LOWER
5	BODY	ASTM A126, CAST IRON	1	
6	UPPER STEM	ASTM A276 SUS 316, STAINLESS	1	
7A	SEAT	EPDM OR BUNA	1	STANDARD
7B	SEAT SUPPORT RING	PHENOL	1	INTEGRAL TO SEAT
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, NP	1	
14	LEVER	ASTM A47 GRADE 32510, MI	1	
15	LEVER RETAINER WASHER	ASTM A283D-A36, STEEL	1	ZINC COATED
16	LEVER RETAINER BOLT	ASTM A283D-A36, STEEL	1	ZINC COATED