



No.	PART NAME	QTY	MATERIAL
1	BOTTOM PLATE	1	DUCTILE IRON
2	BOLT	4	304 STAINLESS STEEL
3	WASHER	4	304 STAINLESS STEEL
4	BEARING	1	NYLON
5	COVER O-RING	1	BUNA-N/EPDM
6	RETAINING RING	2	416 STAINLESS STEEL
7	LOWER STEM BUSHING	2	PTFE
8	LOWER STEM O-RING	1	BUNA-N/EPDM
9	BODY	1	DUCTILE IRON
10	LOWER STEM	1	420 STAINLESS STEEL
11	DISC	1	DUCTILE IRON/ ASTM A351 GRADE CF8M
12	PIN	3	416 STAINLESS STEEL
13	UPPER STEM	1	420 STAINLESS STEEL
14	SEAT	1	BUNA-N/EPDM
15	LOWER BUSHING	1	PTFE
16	UPPER BUSHING	2	PTFE
17	UPPER STEM O-RING	1	BUNA-N/EPDM
18	KEY	2	CARBON STEEL

MOUNTING PAD CONFORMS TO ISO 5211.  
 FLANGES CONFORM TO ANSI B16.47 SERIES A.  
 TORQUES ARE FOR 150 PSID.

NOTE:  
 1. DIMENSION "C" REPRESENTS THE FACE-TO-FACE DIMENSION OF THE METAL BODY FLATS, APPROXIMATELY 1/8" OF SEAT COMPRESSION PER SIDE IS REQUIRED FOR PROPER SEALING WITH PIPE FLANGES.  
 2. NxØD CLEARANCE HOLE DIMENSIONS ONLY APPLY TO WAFER VALVES. FOR LUG VALVES, ALL HOLES WILL BE THREADED PER DIMENSION M.

Size	A	B	C	ØD0	P.C.D.	NX ØD	4XM	P	X	α°	ØD3	ØD4	ØD5	F	G	H	Key Size (mm) b x h x l	L	Ød0	8XØd1	b°	TORQUE (IN*LBS)	Cv
30"	21.46	26.77	6.57	38.74	36.00	24 X 1.38	4 x 1 1/4-7	1.77	2.13	6.43	11.81	10.00	7.89	1.30	0.24	2.36	18 x 11 x 63	2.81	2.49	8 X 0.71	22.5	50,006	59,875
32"	22.24	27.56	7.40	41.73	38.50	24 X 1.62	4 x 1 1/2-6	1.97	1.97	6.43	11.81	10.00	7.89	1.30	0.24	2.36	18 x 11 x 63	2.81	2.49	8 X 0.71	22.5	58,415	68,250
36"	24.41	29.92	7.99	45.98	42.75	28 X 1.62	4 x 1 1/2-6	1.97	2.36	5.62	11.81	10.00	7.89	1.34	0.24	4.41	20 x 12 x 100	3.31	2.95	8 X 0.71	22.5	62,840	86,375
40"	27.76	32.28	8.50	50.75	47.25	32 X 1.62	4 x 1 1/2-6	1.97	1.73	5.00	11.81	10.00	7.89	1.38	0.24	5.35	22 x 14 x 125	3.74	3.35	8 X 0.71	22.5	101,784	119,750
42"	29.80	33.78	9.88	52.99	49.50	32 X 1.62	4 x 1 1/2-6	1.97	2.56	5.00	11.81	10.00	7.87	1.38	0.24	5.67	25 x 14 x 140	4.13	3.74	8 X 0.71	22.5	138,903	136,438
48"	31.89	36.38	10.87	59.49	56.00	40 X 1.62	4 x 1 1/2-6	1.97	2.76	4.09	13.78	11.73	9.07	1.38	0.24	5.67	28 x 16 x 140	4.61	4.13	8 X 0.87	22.5	185,866	186,500



9955 INTERNATIONAL BLVD.  
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DRAWN BY: RSS  
 CHECKED BY: NPM  
 RELEASED BY: NPM

DATE: 04/25/19  
 DATE: 04/26/19  
 DATE: 04/26/19

**VALVES, ACTUATORS, AND AUTOMATION CONTROLS**

SHEET 1 of 1

MATERIAL

DRAWING NO. P02351

REVISION F

DO NOT SCALE DRAWING

DESCRIPTION: 30" - 48" RSBFV WITHOUT GEAR DIMENSIONAL DRAWING

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