



NOTES:
TECHNICAL REQUIREMENT
 1. THE DIMENSION OF JOINT FLANGE COMPLY WITH : ANSI B16.1 125PSI
 2. THE FACE TO FACE OF BODY COMPLY WITH : MSS SP-67

TECHNICAL DATA			
WORKING PRESSURE			150 PSI
TEST PRESSURE	SEAT		165 PSI
	SHELL		225 PSI
WORKING TEMP.	EPDM		-22F TO 230F
	NBR		-4F TO 179F

Ref No.	Description	Material		Qty
		Ductile Iron Disc	Stainless Steel Disc	
1	Gear Operator	Case, A126 Cl. B, Gear, ASTM A536 65-45-12		1
2	Bottom Plate	Ductile Iron, ASTM A536 65-45-12		1
3	Bottom Plate Screw	Steel, ASTM A283D A36		4
4	Bottom Plate O-ring	Rubber, ASTM D2000 NBR		1
5	Gasket	Steel		1
6	Bearing	Bronze ASTM B584 C83600		1
7	Lower Bushing	Bronze ASTM B584 C83600		1
8	Body	Ductile Iron, ASTM A536 65-45-12		1
9	Seat	Rubber, ASTM D2000 EPDM or NBR		1
10	Lower Shaft	Stainless, ASTM A582 S41600	Stainless, ASTM A276 S31600	1
11	Disc	Ductile Iron, ASTM A536 65-45-12 (Nickel Plated)	Stainless, ASTM A351 CF8M	1
12	Taper Pin	Stainless, ASTM A564 S17400		3
13	Upper Shaft	Stainless, ASTM A582 S41600	Stainless, ASTM A276 S31600	1
14	Long Bushing	ASTM A584 C83600		1
15	Name Plate	Aluminum		1
16	Short Bushing	Bronze ASTM B584 C83600		4
17	O-ring	Rubber, ASTM D2000 EPDM		3
18	Key	Steel		2

Size	D1	D2	D3	D4	N2	D10	D6	N1	D7	D8	D9	L	L1	H1	H2	H3	t	K1	K2	G1	G2	G3	G4	G5	G6	G7
28	11.81	2.49	36.50	34.00	24	1-1/4-7UNC-2B	10.00	8	0.71	27.36	26.42	6.42	6.65	20.47	24.57	2.60	2.13	0.71	2.48	21.28	19.13	7.66	5.98	7.24	15.75	13.54
30	11.81	2.49	38.74	36.00	28	1-1/4-7UNC-2B	10.00	8	0.71	29.29	28.58	6.57	6.81	22.05	25.98	2.60	2.13	0.71	2.48	21.28	19.13	7.66	5.98	7.24	15.75	13.54
32	11.81	2.49	41.73	38.50	24	1-1/2-6UNC-2B	10.00	8	0.71	31.30	30.33	7.40	7.68	23.27	26.46	2.60	2.40	0.71	2.48	21.28	19.13	7.66	5.98	7.24	15.75	13.54
36	11.81	2.95	45.98	42.76	32	1-1/2-6UNC-2B	10.00	8	0.71	34.06	33.11	7.99	8.31	25.83	28.35	4.65	2.40	0.79	3.94	24.96	21.65	9.72	6.38	7.87	15.75	15.24
40	11.81	3.35	50.75	47.25	28	1-1/2-6UNC-2B	10.00	8	0.71	37.99	37.05	8.50	8.82	28.39	31.50	5.91	2.52	0.79	3.94	24.96	21.65	9.72	6.38	7.87	15.75	15.24
42	13.78	3.74	52.99	49.49	36	1-1/2-6UNC-2B	11.73	8	0.87	40.55	39.33	9.88	10.28	30.59	33.78	5.91	2.64	0.98	5.51	31.89	25.59	12.60	9.29	7.87	17.72	18.62
48	13.78	4.13	59.49	56.00	44	1-1/2-6UNC-2B	11.73	8	0.87	45.67	44.37	10.87	11.26	34.02	37.05	5.91	2.76	1.10	5.51	31.89	25.59	12.60	9.29	7.87	17.72	18.62



TITLE: U-BODY LARGE DIAMETER RESILIENT SEATED BUTTERFLY VALVE
 DATE: 1/24/2009 BY: PEA APP'D: KMC UNITS: IN SCALE: NONE REV DATE:
 FILE: 752_28-48.DWG MODEL: 752 DWG NO: 752_28-48 REV: 0

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