



DETAIL OF PART-Z

3a	STABILIZATION RING	2	STAINLESS STEEL 304	
1b	INSERTED METAL OF DISC	1	CAST IRON (FCD450)	
1a	INSERTED METAL OF BODY	1	CAST IRON (FCD450)	
18	BOLT (B)	8	STAINLESS STEEL 304	
17	GASKET (B)	1	NONAS SHEET	
16	GEAR BOX	1	CAST IRON (FC200) WITH EPOXY COAT	
15	BOLT (A)	6	STAINLESS STEEL 304	
14	STEM HOLDER	1	STAINLESS STEEL 304	
13	GASKET (A)	1	NONAS SHEET	
12	BUSH	2	BRONZE CASTING (FOR EPDM LINER) PVDF (FOR FKM LINER)	
11	KEY (B)	1	CARBON STEEL	
10	KEY (A)	1	CARBON STEEL	
9	STEM (B)	1	STAINLESS STEEL 304	
8	STEM (A)	1	STAINLESS STEEL 304	
7	O-RING (D)	1	NBR	
6	O-RING (C)	1	NBR	
5	O-RING (B)	3		
4	O-RING (A)	11	<input type="checkbox"/> EPDM <input type="checkbox"/> FKM	
3	SEAT	1		
2	DISC	1	PDCPD	
1	BODY	1	PDCPD	
No.	DESCRIPTION	No. REQ'D	MATERIAL	REMARKS

DIMENSION TABLE

UNIT: inches

NOMINAL SIZE	d	ANSI CLASS 125/150				B	D	D1	D2	D3	L	A1	A2	H1	H2	H3	H	I	GEAR BOX MODEL No.
		C	n-phi h	n1-M	n1-phi M														
700	28	26.38	34.00	24-#1.38	4-#1-1/4	1.38	36.54	29.92	13.78	17.13	8.11	15.83	11.22	23.19	23.23	9.76	26.97	35.31	BRF-10
800	32	30.31	38.50	24-#1.62	4-#1-1/2	1.38	41.34	34.25	13.78	17.13	9.45	15.83	11.22	24.37	24.41	9.76	28.15	36.50	BRF-10
900	36	34.25	42.75	28-#1.62	4-#1-1/2	1.38	45.98	38.50	13.78	25.00	9.45	15.83	11.22	27.72	27.76	9.76	31.50	44.00	BRF-10
1000	40	38.19	42.75	32-#1.62	4-#1-1/2	1.65	50.00	42.52	18.11	25.00	11.81	22.20	9.53	29.49	29.52	10.39	33.27	45.55	BRF-20
* 1100	44	42.52	51.75	36-#1.62	8-#1-1/2	1.77	54.33	47.05	---	25.00	11.81	22.24	9.02	30.71	33.07	12.72	39.84	52.36	BRL-20
1200	48	46.06	56.00	40-#1.62	8-#1-1/2	1.77	58.58	51.18	---	25.00	13.78	22.24	9.02	33.46	35.04	12.72	41.81	54.33	BRL-20

NOTE: 1. The shape and appearance of assembly differ a little with nominal size compared to this drawing.  
 2. Flange Dimension: ANSI B16.1 (For 36" Sizes), & ANSI/ASME B16.47 (For All Sizes)  
 \* 3. ANSI Class 125 not offered in 44".

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NAME	DATE
DR JOHN GLASSFORD	7/30/08
APPD DAVE HURLEY	7/30/08
PROD	
WO#/SO#	
FILE	

**ASAHI/AMERICA**  
 ISO 9001 CERTIFIED  
 35 GREEN STREET, P.O. BOX 653, MALDEN, MA.

**PDCPD BIG BUTTERFLY VALVE  
GEAR TYPE  
28" THRU. 48"**

SIZE <b>A</b>	DWG. NO. <b>0215BF</b>	REV <b>C</b>
SCALE <b>NTS</b>	SHEET <b>1</b> OF <b>1</b>	