Titanium Grade 7 Shaft and Disc

For highly corrosive environments, and applications with solids or salt build up in the pipe, Acris PFA lined butterfly valves are available with an optional Titanium Grade 7 shaft/disc.

In addition to all the standard benefits provided by Acris valves, Titanium offers exceptional resistance to stress corrosion cracking in a chloride environment. Grade 7 also offers increased crevice corrosion resistance over Grade 2. (Grade 7 = Grade 2 stabilized with 0.15% Palladium)

Specifications & Standards

Size Range	NPS 3 to NPS 12 (DN80 to DN300)
Pressure Rating	Up to 150psi (10bar)
Vacuum Rating	To 0.0002 psia (1.03 x 10-2 torr)
Temperature	-20ºF to 320ºF (-29ºC to 160ºC)
Body Style	Two-piece; Wafer, Lug
Face-to-Face	ISO 5752, API 609
Top Plate	ISO 5211
FE Standard	ISO 15848-1, ISO 15848-2
Drilling	ASME B16.5 CL150, ASME B16.1 CL125

Applications

- Wet Chlorine Gas (Not Dry)
- Chlorinated Brine and Brine Slurries
- Chloride Solutions
- Sodium Chlorate
- Sodium Hypochlorite
- Titanium Dioxide
- Wet Bromine Gas
- Paper Mill Bleach Plants
- Chlorine Dioxide
- Perchlorate Solutions
- Oxidizing Acids (Chromic, Perchloric, Hypochlorous)
- Phosphoric Acid
- Alkaline Media (Sodium Hydroxide, Potassium Hydroxide, Ammonium Hydroxide)

For more information on Acris PFA Lined Butterfly Valves, refer to literature online at www.amresist.com

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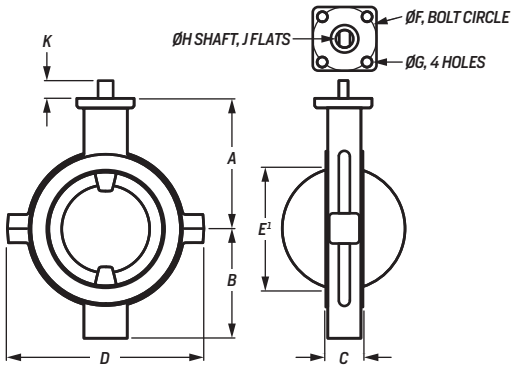
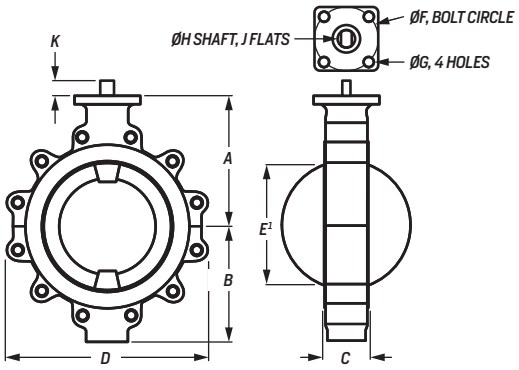
WAFER BODY



LUG BODY



Dimensions (inches) & Weights (lbs)

NPS	A	B	C	D		E[1]	ØF	ØG	ISO	ØH	J	K	Weight		C_V
				Wafer	Lug					Shaft	Flats		Wafer	Lug	
3	4.88	4.05	1.83	5.23	5.55	2.539	2.756	0.375	F07	.708	.551	1.02	10	12	580
4	5.62	4.80	2.12	6.73	7.99	3.271	2.756	0.375	F07	.708	.551	1.02	11	16	916
6	6.88	6.25	2.25	8.62	10.11	5.428	2.756	0.375	F07	.984	.748	1.02	23	27	2320
8	8.85	7.75	2.51	10.86	12.24	7.403	4.016	0.437	F10	1.102	.866	1.22	38	46	5800
10	10.03	8.93	2.82	13.22	15.43	9.432	4.921	0.562	F12	1.102	.866	1.22	62	70	9396
12	11.41	10.43	3.19	15.98	18.03	11.252	4.921	0.562	F12	1.417	1.062	1.61	102	108	15892

Dimensions (mm) & Weights (kg)

DN	A	B	C	D		E[1]	ØF	ØG	ISO	ØH	J	K	Weight		K_V
				Wafer	Lug					Shaft	Flats		Wafer	Lug	
80	124	103	46	133	141	64.5	70	10	F07	18	14	26	4.5	5.4	501
100	143	122	53	171	203	83.0	70	10	F07	18	14	26	5.0	7.3	792
150	175	159	57	219	257	137.8	70	10	F07	25	19	26	10.4	12.2	2007
200	225	197	63	276	311	188.0	102	11	F10	28	22	31	17.2	20.8	5017
250	255	227	71	336	392	239.5	125	14	F12	28	22	31	28.1	31.7	8128
300	290	265	81	406	458	285.8	125	14	F12	36	27	40	46.2	49.0	13747

NOTES
- Dimensions are approximate and subject to change.
- Metric dimensions are converted from imperial.

1 Dimension E is the chord length of the disc at the valve flange face. Adjacent piping should allow sufficient clearance for disc rotation without interference.

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