



Corrosion & Abrasion
Resistant flow Control



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SERIES 80 PFA/PTFE LINED BUTTERFLY VALVES

BUTTERFLY VALVES

PFA/PTFE LINED WAFER TYPE

DN40-DN400



Engineered for Demanding Services

KDVs plastic lined butterfly valve range is manufactured to exacting standards and fully tested to ensure reliability, durability and high performance with corrosive media and in harsh environmental conditions.

Every component of the 2 piece full bore 80 Series valve is designed to provide trouble free, safe service. Internal features include 3mm(+) lining, virgin PTFE seat seals for tight shut off, chevron cap and cone stem packing for stem sealing integrity and a dovetail groove to lock the lining in place.



Our ETFE and PFA linings are made from only the best raw materials to ensure high purity and a flawless finish. All wetted surfaces are lined to resist chemical and thermal attack.

Available in wafer and lugged body styles, KDVs plastic lined butterfly valves are suitable for use in a wide variety of applications.



Key Features

- Excellent resistance to acids/solvents
- Not affected by mechanical/thermal shock
- Wide temperature curve performance
- Self cleaning (non stick)
- Cost effective
- Robust construction
- Split body allows easy maintenance
- Full bore design
- Chevron cap & cone packing
- Triple PTFE 'V' Ring packing

Operator Options

- Bare shaft
- Lever with notch plate (DN50-DN200)
- Gear Box (DN50-DN800)
- Actuator

Common Applications

- Organic & Inorganic Chemicals
- Alkali & Chlorine
- Fertilizers
- Pharmaceutical
- Petroleum
- Metal & Mineral Processing
- Pulp, Paper & Wood
- Water Treatment
- Sulphur Recovery
- Food & Beverage



BUTTERFLY VALVES

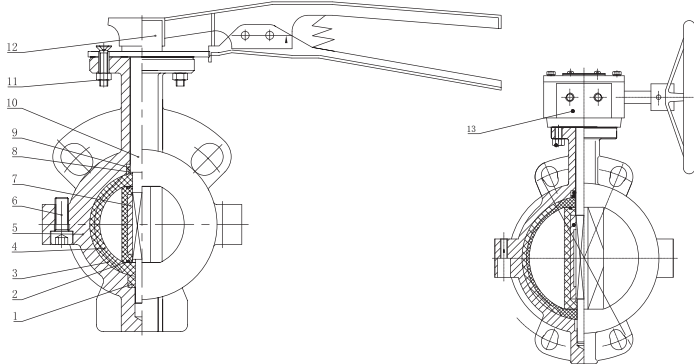
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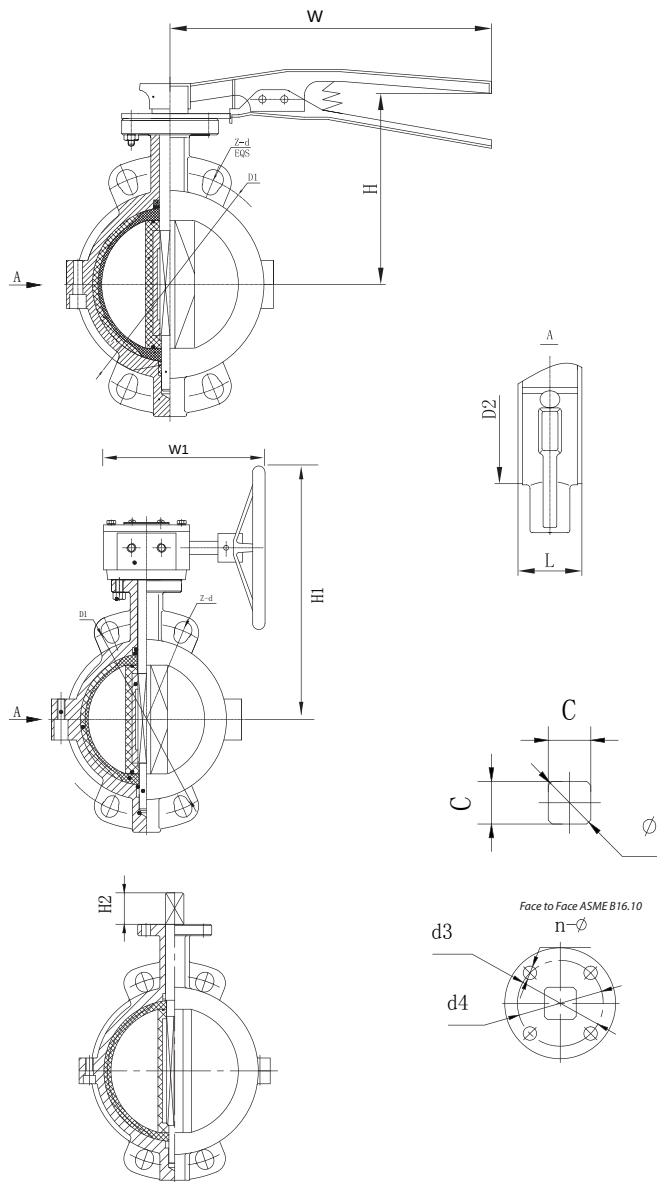


PFA/PTFE Lined Butterfly Valves

Parts



Dimensions



Note 1: Specifications contained in this document are subject to change.

Note 2: For precise specifications and dimensions contact KDV to obtain a general assembly drawing.

MATERIALS OF CONSTRUCTION

1	Bushing	Viton, Silicone Rubber, PTFE	8	Gasket	PTFE
2	O-Ring	Viton	9	Bushing	Viton, Silicone Rubber, PTFE
3	Pad	Silicone Rubber	10	Stem	A276 SS420
4	Seat	PTFE	11	Bolt	SS304
5	Body	A216 WCB	12	Lever	1025
6	Hex Screw	SS304	13	Worm Gear	
7	Disc	A351 CF8+PFA	-		

*Not stocked, available to order

DN40-DN65 (Lever) ASME B16.10

	L	D1	D2	H	W	Z-D
DN40	40	98.5	70	127	230	4-16
DN50	43	120.5	90	149	230	4-19
DN65	46	139.5	100	162	230	4-19
DN80	46	152.5	130	181	260	4-19
DN100	52	190.5	148	188	260	8-19
DN125	56	216	181	188	260	8-22
DN150	56	241.5	202	226	350	8-22
DN200	60	298.5	263	275	350	8-22

DN40-DN400 (Gearbox) ASME B16.10

	L	D1	D2	H1	W1	Z-D
DN40	40	98.5	70	127	150	4-16
DN50	43	120.5	90	149	150	4-19
DN65	46	139.5	100	162	150	4-19
DN80	46	152.5	130	178	150	4-19
DN100	52	190.5	148	185	200	8-19
DN125	56	216	181	205	200	8-22
DN150	56	241.5	202	225	280	8-22
DN200	60	298.5	263	275	280	8-22
DN250	68	362	313	326	340	12-25
DN300	78	432	368	333	340	12-25
DN350	78	476	415	393	340	12-29
DN400	102	540	484	438	340	16-29

DN40-DN400 (Bare Shaft) ASME B16.10

	H2	C	d3	d4	n-Ø	Ø	Torque
DN40	9	9*9	70	50	4-8	12.5	25
DN50	9	9*9	70	50	4-8	12.5	25
DN65	11	11*11	90	70	4-10	14	35
DN80	11	11*11	90	70	4-10	14	45
DN100	11	11*11	90	70	4-10	14	100
DN125	15	14*14	90	70	4-10	18	120
DN150	15	14*14	90	70	4-10	18	160
DN200	17	17*17	138	102	4-12	22	200
DN250	22	22*22	138	102	4-12	28	440
DN300	22	22*22	138	102	4-12	28	950
DN350	27	27*27	210	165	4-22	36	1850
DN400	27	27*27	210	165	4-22	36	1950