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LUG BUTTERFLY VALVE, BARE STEM (PINLESS)

DN50 - DN600 (EPDM)

The Lug Butterfly Valve is available with various disc and seat materials for a wide range of applications. It should be installed with its shaft horizontal, lower edge of the disc opening downstream.

Application:



District heating & cooling, Irrigation, Potable water



Design features

- Polished disc edge for improved concentric sealing and lower torque
- Rubber liner is replaceable and fully isolates body and stem
- O-ring molded in the liner eliminates the need for flange gasket
- Full threaded lugs allows end-of-line installation (rating reduced to 50%)
- Other materials can be supplied on request

Technical Details

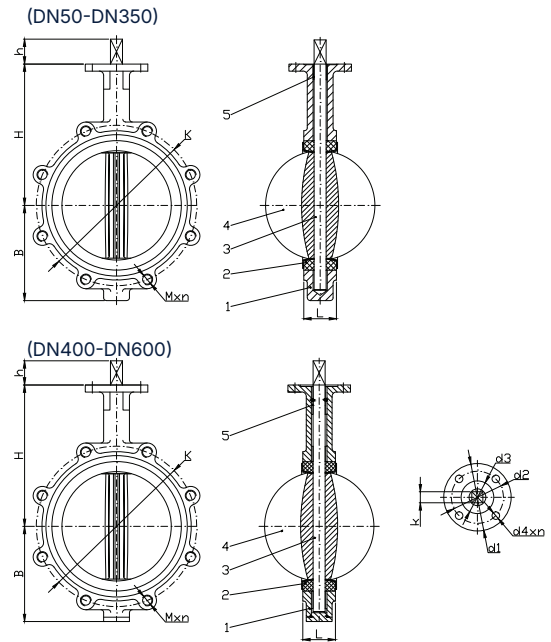
Face to Face in accordance to: EN 558-1 Series 20	Flange Type: EN 1092-2 PN10 & PN16
Maximum Working Pressure PFA: 16 bar / PN16	Connector type: Accordance to EN ISO 5211
Working temperature: EPDM maximum +80°C	Coating: 300 µm FBE coating, external and internal
Construction complies to: EN 593, BS 5155, EN 12266-1	Application: Installation for water, potable water, irrigation & other chemically inert fluids for flow closing





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No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Seat	Elastomer EPDM
3	Stem	Stainless Steel X20Cr13/ 1.4021/ 420
4	Disc	Ductile Iron EN-GJS-500-7+Epoxy painted
5	Bushing	Brass



Dimension (mm & kg)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600
AW22/1	PN10	BB0936	BB0937	BB0938	BB0939	BB0940	BB0941	BB0950	BB0951	BB0952	BB0953	BB0954	BB0955	BB0956	BB0957
	BB0942							BB0943	BB0944	BB0945	BB0946	BB0947	BB0948	BB0949	
L		46	49	49	55	59	59	64	72	81	79	106	119	135	156
H		132	143	157	176	196	211	244	271	307	355	403	435	485	570
h		32	32	32	32	32	32	45	45	45	45	51	51	64	70
B		75	83	98	111	130	139	169	202	233	270	302	328	360	459
K PN16 / PN10		125	145	160	180	210	240	295	355/ 350	410/ 400	470/ 460	525/ 515	585/ 565	650/ 620	770/ 725
M x n PN16 / PN10		M16×4	M16×4	M16×8	M16×8	M16×8	M20×8	M20×12 M20×8	M24×12 M20×12	M24×12 M20×12	M24×16 M20×16	M27×16 M24×16	M27×20 M24×20	M30×20 M24×20	M33×20 M27×20
d1		65	65	65	90	90	90	125	125	125	125	175	175	175	210
d2		50	50	50	70	70	70	102	102	102	102	140	140	140	165
d3		35	35	35	55	55	55	70	70	70	70	100	100	100	130
k		9	9	9	11	14	14	17	22	22	22	27	27	27	36
d4 x m		7×4	7×4	7×4	10×4	10×4	10×4	12×4	12×4	12×4	12×4	18×4	18×4	18×4	22×4
ISO 5211		F05	F05	F05	F07	F07	F07	F10	F10	F10	F10	F14	F14	F14	F16
Closing torque [Nm] PN16/PN10		45/ 40	50/ 45	60/ 54	70/ 63	80/ 72	95/ 85	150/ 135	200/ 180	600/ 540	750/ 675	1400/ 1260	1600/ 1440	2000/ 1800	2500/ 2250
MAST [Nm] PN16/PN10		63/ 56	70/ 63	84/ 76	98/ 88	112/ 101	133/ 119	210/ 189	280/ 252	840/ 756	1050/ 945	1960/ 1764	2240/ 2016	2800/ 2520	3500/ 3150
Weight [kg]		3	3	5	7,1	10,1	11,3	18,6	23,4	40,7	79,2	101	116	161	228