



AW22/1

LUG BUTTERFLY VALVE, BARE STEM

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

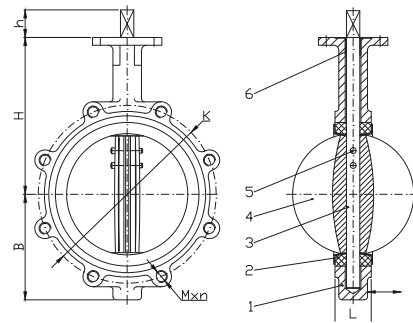




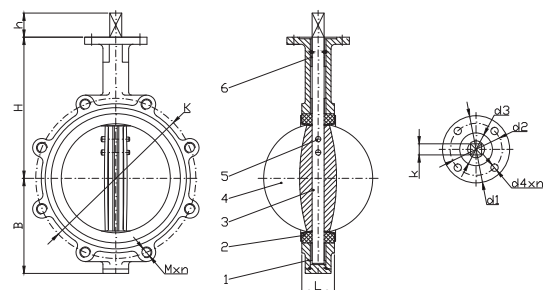
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No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Seat	Elastomer EPDM
3	Stem	Duplex Stainless Steel EN2CrNiMoN22-5-3/1.4462/F51
4	Disc	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
5	Pin	Duplex Stainless Steel EN2CrNiMoN22-5-3/1.4462/F51
6	Bushing	Brass

(DN50-DN350)



(DN400-DN600)



Dimension (mm & kg)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600
AW22/1	PN10	BB0665	BB0666	BB0667	BB0668	BB0669	BB0670	BB0679	BB0680	BB0681	BB0682	BB0683	BB0684	BB0685	BB0686
	BB0671							BB0672	BB0673	BB0674	BB0675	BB0676	BB0677	BB0678	
L		46	49	49	55	59	59	64	72	81	79	106	119	135	156
H		122	129	137	162	176	191	231	261	294	370	387	422	465	562
h		32	32	32	32	32	32	45	45	45	45	51	51	64	70
B		75	83	90	107	119	134	161	202	233	270	297	328	390	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