

BUTTERFLY VALVES

Butterfly Valve Wafer Type 304 Stainless Steel Disc Pinned

Wafer Butterfly Valve PN16 – 304SS Disc



SABS

JASWIC

BS5155

BS4504

AAVS

Cast Iron Body, 304SS Disc, EPDM Liner; Lever Handle, Gear Box
Operated (gearbox incl in list price 300mm-500mm).

PRESSURE RATING

PN16 (1600 kPa / 16 Bar)

SIZE RANGE

DN50–DN500

COATING

Epoxy powder coated body

OPERATION

Hand lever or
gearbox operated versions
available

Specification

- PN16 (1 600 kPa)
- SABS tested, JASWIC compliant
- Replaceable EPDM cartridge liner
- Semi-lugged or fully lugged body
- Lever handle; gearbox operated, gearbox included in list price 300mm–500mm
- Designed to BS5155; drilled BS4504
- 304 stainless steel disc
- Blow-out-proof stainless steel stem
- Epoxy powder coated body

Materials of construction

COMPONENT · MATERIAL GRADE

ITEM	PART	MATERIAL
1	Body	Cast Iron
2	Disc	304 Stainless Steel
3	Liner / Seat	EPDM
4	Shaft	Stainless Steel 13% Chrome
5	Bushing	Lubrized Bronze or Fibre Vesconit
6	Coating	Epoxy powder coated body

Worm gearbox dimensions & weight

DIMENSIONS IN MM UNLESS STATED

MODEL	SIZE MM (INCH)	A	B	C	E	F	G	Ø	RATIO
3DB-15	50 (2")~150 (6")	52	45	74	52	152	75	150	1:24
3DB-50	200 (8")~250 (10")	75	62.8	101	75	250	86	300	1:30
3DB-120	300 (12")~350 (14")	81	80	118	81	227	83	300	1:50
3DB-30/250	400 (16")~500 (20")	56	178	121	115	104	174	300	1:80
3DB-30/400	600 (24")	56	197	142	144	130	174	300	1:88
3DB-50/800	700 (28")~800 (32")	67	244	183	189	162	165	400	1:88
3DB-120/1500	900 (36")~1000 (40")	76	270	215	220	196	215	300	1:88

Worm gearbox dimensions & weight (continued)

DIMENSIONS IN MM UNLESS STATED

MODEL	MASS (KG)
3DB-15	5.2
3DB-50	13
3DB-120	15
3DB-30/250	56.9
3DB-30/400	72.37
3DB-50/800	124
3DB-120/1500	158

Material options

DIMENSIONS IN MM UNLESS STATED

COMPONENT	OPTIONS
Body	Cast Iron; Ductile Iron; Aluminium; Stainless Steel CF8M; Stainless Steel; Carbon Steel
Disc	Plated Ductile Iron; Aluminium Bronze; Stainless Steel; Carbon Steel; Nylon Coated; PTFE Coated
Shaft	Stainless Steel 13% Chrome
Bushing	Lubrized Bronze or Fibre Vesconit
Seat	NR; Hypalon; EPDM; Neoprene; NBR; Wear-Resistant Rubber; Viton; Heat-resistant Rubber; PTFE

Seat / liner temperature ranges

DIMENSIONS IN MM UNLESS STATED

LINER	WORKING TEMP °C
NR	-20 to 85

Hypalon	-18 to 135
EPDM	-25 to 135
Neoprene	-7 to 93
NBR	-40 to 82
Wear-Resistant Rubber	-10 to 50
Viton	-23 to 294
Heat-resistant Rubber	-2 to 150
PTFE	10 to 150

Valve dimensions & seating torque

DIMENSIONS IN MM UNLESS STATED

SIZE MM	SIZE INCH	A	B	C	D	L	H	D1	N - Ø
50	2"	161	80	42	52.9	32	84.84	120	4-23
65	2.5"	175	89	44.7	64.5	32	96.2	136.2	4-26.5
80	3"	181	95	45.2	78.8	32	61.23	160	8-18
100	4"	200	114	52.1	104	32	70.80	185	4-24.5
125	5"	213	127	54.4	123.3	32	82.28	215	4-23
150	6"	226	139	55.8	155.6	45	91.08	238	4-25
200	8"	260	175	60.6	202.5	45	112.89	295	4-25
250	10"	292	203	65.6	250.5	45	92.40	357	4-29
300	12"	337	242	76.9	301.6	45	105.3	407	4-29
350	14"	368	267	76.5	333.3	45	91.11	467	4-30
400	16"	400	309	86.5	389.6	51.2	100.47	515	4-26
450	18"	422	328	105.6	440.51	51.2	88.39	565	4-26
500	20"	480	361	131.8	491.6	51.2	96.9	620	4-26
600	24"	562	459	152	592.5	70.2	113.42	725	20-30

Valve dimensions & seating torque (continued)

DIMENSIONS IN MM UNLESS STATED

SIZE MM	TORQ NM	MASS (KG)
50	17	3
65	30	3
80	39	4
100	62	5
125	95	7
150	138	8
200	226	14

250	360	19
300	514	31
350	658	39
400	1017	54
450	1485	70
500	1833	111
600	3320	193

Note: Body, disc and seat options are independent selections, not fixed combinations.

Range

AVAILABLE CONFIGURATIONS · FULL SPEC ON REQUEST

STOCK CODE	SIZE
BVS050	50mm
BVS065	65mm
BVS080	80mm
BVS100	100mm
BVS125	125mm
BVS150	150mm
BVS200	200mm
BVS250	250mm
BVS300	300mm
BVS350	350mm
BVS400	400mm
BVS450	450mm
BVS500	500mm