



ECON® Butterfly valve Type: 4623 Ductile cast iron/ Aluminum bronze Centric Gearbox Flange



Characteristics

Type: 4623

Norm: EN (DIN)

Valve design: Centric

Housing material: Ductile cast iron

Material quality: EN-JS1030

Surface protection: Paint min. 60 µm

Connection: Flange

Face to Face norm: EN 558, Series 13

Operation: Gearbox

Top flange standard: ISO 5211 Direct Mount

Housing lining: Vulcanized

Disk material: Aluminum bronze

Actuator material: EN-JL1040

Minimum medium temperature (continuous): -10 °C

Application

- Maritime systems such as machinery rooms, ballast systems and outboard motor locks.
- Especially suitable for sea water due to the aluminium bronze valve disc.
- Suitable for vacuum applications and applications with high flow speeds.

Technical Information

- Vulcanised lining fixed on the housing, which also extends over the sealing surfaces of the flange.
- Robust construction with full-length shaft.
- Equipped with worm gearbox.
- Suitable as end fitting for the full pressure range.
- Standard with polyurethane outer coating in RAL 5015.

Construction

- Double flange of butterfly valve type with centric disc bearings.
- Design in accordance with EN 593.
- Short construction length in accordance with ISO 5752/EN 558 Series 13 (DIN 3202 F16).
- Suitable for mounting with flanges according to EN 1092-2 PN10 or PN16.

Approval

- With Lloyd's register type approval [DN50-DN500], including applications such as "fire main insulating valve".
- Possible disassembly by Lloyd's, Veritas, DNV-GL, RINA and ABS testing laboratory.

Options

- Other materials and/or pressure classes.
- Available with EN 10204.31 certification.
- Equipped with lever and pneumatic, electric or hydraulic actuator.
- Position feedback for manual or automated valves.
- Coating according to customer specifications.

DN mm	A mm	B mm	H mm	L mm	M mm	Type gearbox	Weight [kg]	Kvs-value m3/h
50	165	42,5	171	108	100	AB 150	12	70
65	185	42,5	179	112	100	AB 150	14	220
80	200	42,5	186	114	100	AB 150	16	351
100	228	42,5	200	127	100	AB 150	18	610
125	254	42,5	213	140	100	AB 150	22	1078
150	285	42,5	233	140	100	AB 150	29	1552
200	343	52	268	152	125	AB 210	39	2759

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DN mm	A mm	B mm	H mm	L mm	M mm	Type gearbox	Weight [kg]	Kvs-value m ³ /h
250	405	52	309	165	200	AB 215	55	4310
300	445	71	357	178	315	AB 550	71	6207
350	505	86	405	190	400	AB 880	104	11545
400	565	86	440	216	400	AB 880	128	13520
450	615	104	477	222	400	AB 1250	202	15838
500	670	104	517	229	400	AB 1250	232	24522
600	780	130	586	267	400	AB 1950	334	34230

Size	Liner	Pressure rating	Temperature range	Max. oper. pressure
DN50-DN600	NBR or EPDM	PN16	NBR -10°/+80°C, EPDM -10°/+120°C	16 [bar]
DN200-DN600	NBR or EPDM	PN10	NBR -10°/+80°C, EPDM -10°/+120°C	10 [bar]

Nominal inner diameter	Standard connection	Pressure rating	Pressure rating flange	Face to Face length mm	Material liner	Quality class disc	Spindle material	Quality class spindle	Maximum medium temperature (continuous) °C	Article
DN50	EN (DIN)	PN16		108	EPDM	CC333G	Stainless steel	1.4122	120	11813520
DN50	EN (DIN)	PN16		108	NBR	CC333G	Stainless steel	1.4122	80	11813500
DN65	EN (DIN)	PN16		112	EPDM	CC333G	Stainless steel	1.4122	120	11813517
DN65	EN (DIN)	PN16		112	NBR	CC333G	Stainless steel	1.4122	80	11813501
DN80	EN (DIN)	PN16		114	EPDM	CC333G	Stainless steel	1.4122	120	11813516
DN80	EN (DIN)	PN16		114	NBR	CC333G	Stainless steel	1.4122	80	11813502
DN100	EN (DIN)	PN16		127	EPDM	CC333G	Stainless steel	1.4122	120	11813518
DN100	EN (DIN)	PN16		127	NBR	CC333G	Stainless steel	1.4122	80	11813503
DN125	EN (DIN)	PN16		140	NBR	CC333G	Stainless steel	1.4122	80	11813504
DN150	EN (DIN)	PN10		140	NBR	CC333G	Stainless steel	1.4122	80	11813492
DN150	EN (DIN)	PN16		140	EPDM	CC333G	Stainless steel	1.4122	120	11813521
DN150	EN (DIN)	PN16		140	NBR	CC333G	Stainless steel	1.4122	80	11813505
DN200	EN (DIN)	PN10		152	NBR	CC333G	Stainless steel	1.4122	80	11813493
DN200	EN (DIN)	PN10	PN16	152	EPDM	CC333G	Stainless steel	1.4122	120	11813513
DN200	EN (DIN)	PN16		152	NBR	CC333G	Stainless steel	1.4122	80	11813506
DN250	EN (DIN)	PN10		165	NBR	CC333G	Stainless steel	1.4122	80	11813494
DN250	EN (DIN)	PN16		165	NBR	CC333G	Stainless steel	1.4122	80	11813507
DN300	EN (DIN)	PN10		178	NBR	CC333G	Stainless steel	1.4122	80	11813495
DN350	EN (DIN)	PN10		190	NBR	CC333G	Stainless steel	1.4122	80	11813496
DN350	EN (DIN)	PN16		190	NBR	CC333G	Stainless steel	1.4122	80	11813508
DN400	EN (DIN)	PN10		216	NBR	CC333G	Stainless steel	1.4122	80	11813497
DN400	EN (DIN)	PN16		216	NBR	CC333G	Stainless steel	1.4122	80	11813509
DN450	EN (DIN)	PN10		222	NBR	CC333G	Stainless steel	1.4122	80	11813498
DN500	EN (DIN)	PN10		229	NBR	CC333G	Stainless steel	1.4122	80	11813499
DN500	EN (DIN)	PN16		229	NBR	CC333G	Stainless steel	1.4122	80	11813510
DN600	EN (DIN)	PN10		178	EPDM	CC333G	Stainless steel	1.4122	120	11813515
DN600	EN (DIN)	PN16		267	NBR	CC333G	Stainless steel	1.4122	80	11813511

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