



ECON® Butterfly valve Type: 4621 Ductile cast iron/Aluminum bronze Squeeze handle Flange



Characteristics

Type: 4621
Norm: EN (DIN)
Valve design: Centric
Housing material: Ductile cast iron
Material quality: EN-JS1030
Surface protection: Paint min. 60 µm
Connection: Flange
Standard connection: EN (DIN)
Face to Face norm: EN 558, Series 13
Operation: Squeeze handle
Top flange standard: ISO 5211 Direct Mount
Housing lining: Vulcanized
Disk material: Aluminum bronze
Quality class disc: CC333G
Actuator material: EN-JS1030

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.
- Version with lever.
- 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 testing laboratory, DNV-GL, RINA and ABS.

Options

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

DN [mm]	A mm	H mm	L mm	M mm	Weight (kg)	Kvs-value m ³ /h
50	165	175	108	232	11	70
65	185	183	112	232	13	220
80	200	190	114	232	15	351
100	228	204	127	232	17	610
125	254	229	140	329	21	1078
150	285	249	140	329	26	1552

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DN [mm]	A mm	H mm	L mm	M mm	Weight (kg)	Kvs-value m ³ /h
200	343	273	152	329	36	2759

Size	Lining	Press. rating	Temperature range	Max. oper. press.	
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	Pressure rating	Face to Face length mm	Material liner	Spindle material	Quality class spindle	Minimum medium temperature (continuous) °C	Maximum medium temperature (continuous) °C	Article
DN50	PN16	108	NBR	Stainless steel	1.4122	-10	80	12036374
DN65	PN16	112	EPDM	Stainless steel	1.4122	-10	120	12036377
DN65	PN16	112	NBR	Stainless steel	1.4122	-10	80	12036376
DN80	PN16	114	EPDM	Stainless steel	1.4122	-10	120	12036379
DN80	PN16	114	NBR	Stainless steel	1.4122	-10	80	12036378
DN100	PN16	127	EPDM	Stainless steel	1.4122	-10	120	12036381
DN100	PN16	127	NBR	Stainless steel	1.4122	-10	80	12036380
DN125	PN16	140	EPDM	Stainless steel	1.4122	-10	120	12036383
DN125	PN16	140	NBR	Stainless steel	1.4122	-10	80	12036382
DN150	PN16	140	EPDM	Stainless steel	1.4122	-10	120	12036385
DN150	PN16	140	NBR	Stainless steel	1.4122	-10	80	12036384
DN200	PN10	152	EPDM	Stainless steel	1.4122	-10	120	13418694
DN200	PN10	152	NBR	Stainless steel	1.4122	-10	80	13418684

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