ECON® Butterfly valve Type: 4620 Ductile cast iron/ Aluminum bronze Bare stem Flange

Characteristics

Type: 4620
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: Bare stem
Top flange standard: ISO 5211 Direct Mount
Housing lining: Vulcanized
Disk material: Aluminum bronze
Quality class disc: CC333G

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.
- Suitable as end fitting for the full pressure range.
- Standard with polyurethane outer coating in RAL 5015.
- Version with free shaft end (no actuation).

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, worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves.
- Coating according to customer specifications.

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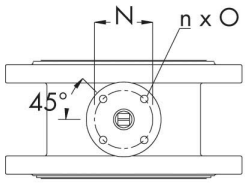

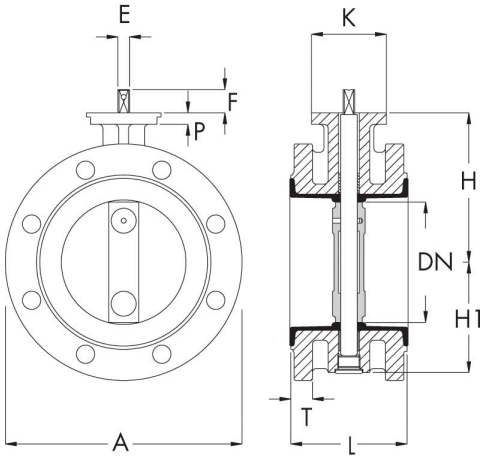

Size table:

Weight
kg
90

DN	A	E	F	H	H1	K	L	nxO	P	T	N	Weight	Kvs-value
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	ISO 5211	[kg]	m3/h
50	165	11	25	118	67	90	108	4x9	12	22	F07	10	70
65	185	11	25	126	74	90	112	4x9	12	22	F07	12	220
80	200	11	25	133	82	90	114	4x9	14	22	F07	14	351
100	228	11	25	147	100	90	127	4x9	14	23	F07	16	610
125	254	14	28	160	112	90	140	4x9	14	26	F07	20	1078
150	285	14	28	180	134	90	140	4x9	14	26	F07	27	1552
200	343	17	28	204	159	90	152	4x9	14	29	F07	35	2759
250	405	22	30	245	195	125	165	4x11	15	32	F10	51	4310
300	445	22	30	270	220	125	178	4x11	15	32	F10	62	6207
350	505	27	29	315	282	150	190	4x14	20	32	F12	90	11545
400	565	27	29	350	307	150	216	4x14	20	33	F12	124	13520
450	615	36	38	375	352	175	222	4x18	20	33	F14	180	15838
500	670	36	38	415	387	175	229	4x18	20	35	F14	210	24522
600	780	46	48	465	452	210	267	4x22	25	36	F16	302	34230

Size	Lining	Press. Class	Temperature range	Max. oper. press. [bar]
DN50-DN600	NBR or EPDM	PN16	NBR -10°/+80°C, EPDM -10°/+120°C	16
DN200-DN600	NBR or EPDM	PN10	NBR -10°/+80°C, EPDM -10°/+120°C	10

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Nominal inner diameter	Pressure rating	Face to Face length	Material liner	Spindle material	Quality class spindle	Minimum medium temperature (continuous)	Maximum medium temperature (continuous)	Article
		mm				°C	°C	
DN350	PN10	190	NBR	Stainless steel	1.4122	-10	80	EC4620D0350MCAB
DN400	PN10	216	NBR	Stainless steel	1.4122	-10	80	EC4620D0400MCAB
DN450	PN10	222	NBR	Stainless steel	1.4122	-10	80	EC4620D0450MCAB
DN500	PN10	229	NBR	Stainless steel	1.4122	-10	80	EC4620D0500MCAB
DN600	PN10	267	NBR	Stainless steel	1.4122	-10	80	EC4620D0600MCAB
DN600	PN16	267	EPDM	Stainless steel	1.4122	-10	120	EC4620D0600LCBB

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