



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

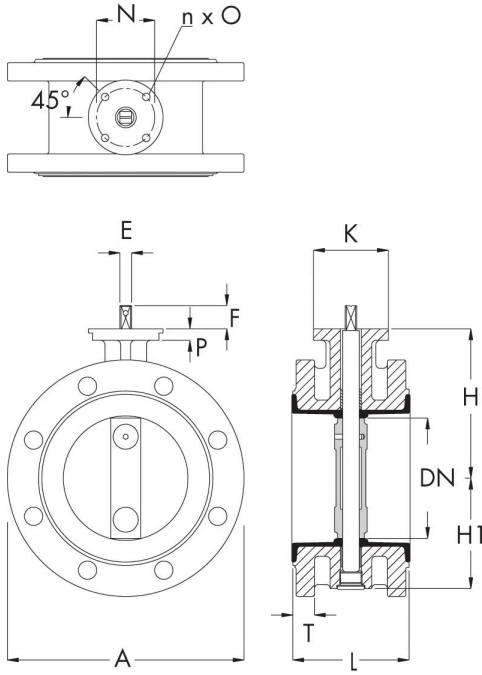
- Double flange of butterfly valve type with centric disc bearings.
- Design in accordance with EN 593.
- Short construction length in accordance with ISO 5752/EN 558 Series 13 (DIN 3202 F16).
- Suitable for mounting with flanges according to EN 1092-2 PN10 or PN16.

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.



Size table:

Weight kg
10
12
16
27
51
62
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	
DN40	PN16	106	NBR	Stainless steel	1.4122	-10	80	12244103
DN50	PN16	108	EPDM	Stainless steel	1.4122	-10	120	13418667
DN50	PN16	108	NBR	Stainless steel	1.4122	-10	80	12014341
DN65	PN16	112	EPDM	Stainless steel	1.4122	-10	120	13418668
DN65	PN16	112	NBR	Stainless steel	1.4122	-10	80	12447951
DN80	PN16	114	EPDM	Stainless steel	1.4122	-10	120	12465624
DN80	PN16	114	NBR	Stainless steel	1.4122	-10	80	12052915
DN100	PN16	127	EPDM	Stainless steel	1.4122	-10	120	13418669
DN100	PN16	127	NBR	Stainless steel	1.4122	-10	80	12014345
DN125	PN16	140	EPDM	Stainless steel	1.4122	-10	120	12063835
DN125	PN16	140	NBR	Stainless steel	1.4122	-10	80	12052916
DN150	PN10	140	NBR	Stainless steel	1.4122	-10	80	13418617
DN150	PN16	140	EPDM	Stainless steel	1.4122	-10	120	13330552
DN150	PN16	140	NBR	Stainless steel	1.4122	-10	80	12052914
DN200	PN10	152	EPDM	Stainless steel	1.4122	-10	120	13418621
DN200	PN10	152	NBR	Stainless steel	1.4122	-10	80	12646341
DN250	PN10	165	EPDM	Stainless steel	1.4122	-10	120	13418664
DN250	PN10	165	NBR	Stainless steel	1.4122	-10	80	12243213
DN250	PN16	165	EPDM	Stainless steel	1.4122	-10	120	13418676
DN250	PN16	165	NBR	Stainless steel	1.4122	-10	80	12014346
DN300	PN10	178	EPDM	Stainless steel	1.4122	-10	120	13409288
DN300	PN10	178	NBR	Stainless steel	1.4122	-10	80	12248765
DN300	PN16	178	EPDM	Stainless steel	1.4122	-10	120	13418677
DN300	PN16	178	NBR	Stainless steel	1.4122	-10	80	13418706
DN350	PN10	190	EPDM	Stainless steel	1.4122	-10	120	13418670
DN350	PN10	190	NBR	Stainless steel	1.4122	-10	80	13295820
DN350	PN16	190	EPDM	Stainless steel	1.4122	-10	120	13418678
DN350	PN16	190	NBR	Stainless steel	1.4122	-10	80	13418620
DN400	PN10	216	EPDM	Stainless steel	1.4122	-10	120	13418671
DN400	PN10	216	NBR	Stainless steel	1.4122	-10	80	12054038
DN400	PN16	216	EPDM	Stainless steel	1.4122	-10	120	13418679
DN400	PN16	216	NBR	Stainless steel	1.4122	-10	80	13418622
DN450	PN10	222	EPDM	Stainless steel	1.4122	-10	120	13418672
DN450	PN10	222	NBR	Stainless steel	1.4122	-10	80	12576277
DN450	PN16	222	EPDM	Stainless steel	1.4122	-10	120	13418680
DN450	PN16	222	NBR	Stainless steel	1.4122	-10	80	13418663
DN500	PN10	229	EPDM	Stainless steel	1.4122	-10	120	13418674
DN500	PN10	229	NBR	Stainless steel	1.4122	-10	80	13418618
DN500	PN16	229	EPDM	Stainless steel	1.4122	-10	120	13418681
DN500	PN16	229	NBR	Stainless steel	1.4122	-10	80	13418665
DN600	PN10	267	NBR	Stainless steel	1.4122	-10	80	13418619
DN600	PN16	267	EPDM	Stainless steel	1.4122	-10	120	13418682
DN600	PN16	267	NBR	Stainless steel	1.4122	-10	80	13418666

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