



ECON® Check valve Type: 102 Cast iron Flange PN16

Cast iron angle pattern check valve, piston type, bronze internals with bolted cover and flanged ends, pressure class PN16.

Characteristics

Type: 102

Norm: EN (DIN)

Construction type: Angle Pattern

Housing material: Cast iron

Material quality: EN-JL1040

Surface protection: Standard manufacturers coating

Connection: Flange

Flange finish: Raised face

Face to Face norm: EN 558, Series 8

With spring: Yes

Spring material: CuSn6

Minimum medium temperature (continuous): -10 °C

Maximum medium temperature (continuous): 225 °C

Maximum pressure difference at 20 °C: 16 bar

Application

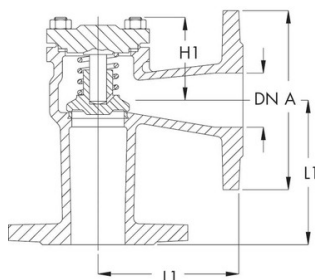
- General Industry.
- On board ships (maritime).
- Neutral liquids.
- Seawater, hot or cold water, oil, etc.
- Suitable for horizontal and vertical (rising flow) mounting.

Technical Information

- Design: EN 12334.
- Testing: EN 12266-1 rate C.

Options

- Available in straight pattern; type 101.
- Available with stainless steel internals; type 78.



DN	A	L1	H	Weight	Kv-value	Min. opening pressure
mm	mm	mm	mm	[kg]	[m ³ /hr]	[bar]
15	95	90	56	2,1	5,6	0,05 - 0,1
20	105	95	56	2,7	7,2	0,05 - 0,1
25	115	100	67	3,8	13,1	0,05 - 0,1
32	140	105	76	5,5	17,5	0,05 - 0,1
40	150	115	89	7,4	30	0,05 - 0,1
50	165	125	96	9,5	40,5	0,05 - 0,1
65	185	145	104	15	79	0,05 - 0,1
80	200	155	124	20	115	0,05 - 0,1
100	220	175	161	29	181	0,05 - 0,1
125	250	200	174	41	225	0,05 - 0,1
150	285	225	197	66	364	0,05 - 0,1
200	340	275	248	111	690	0,05 - 0,1
250	405	325	333	196	1010	0,05 - 0,1
300	460	375	375	302	--	0,05 - 0,1

	-10/120°C	150°C	180°C	200°C	225°C	
PN16	16	14,4	13,4	12,8	12	[bar]

Nominal inner diameter	Pressure rating	Face to Face length	Valve shape	Kv value	Sealing	Material disc	Material cover	Material cover gasket	Material shaft	Article
		mm		m ³ /h						
DN32	PN16	105	Flap	22	Bronze	CC480K	EN-JL1040	Graphite	CC480K	13374458

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Non-return Valves | Non-return Valves with Flange Connection

Nominal inner diameter	Pressure rating	Face to Face length	Valve shape	Kv value	Sealing	Material disc	Material cover	Material cover gasket	Material shaft	Article
		mm		m ³ /h						
DN40	PN16	115	Flap	37	Bronze	CC480K	EN-JL1040	Graphite	CC480K	13374459
DN50	PN16	125	Flap	51	Bronze	CC480K	EN-JL1040	Graphite	CC480K	12576050
DN65	PN16	145	Flap	98.5	Bronze	CC480K	EN-JL1040	Graphite	CC480K	13374460
DN80	PN16	155	Flap	143	Bronze	CC480K	EN-JL1040	Graphite	CC480K	13374461
DN100	PN16	175	Flap	226	Bronze	CC480K	EN-JL1040	Graphite	CC480K	13374462
DN125	PN16	200	Flap	281	Bronze	CC480K	EN-JL1040	Graphite	CC480K	13374463
DN150	PN16	225	Flap	455	Bronze	CC480K	EN-JL1040	Graphite	CC480K	12471948

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