



ECON® Check valve Type: 78 Cast iron Flange PN16

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

Characteristics

Type: 78
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: 1.4057
Minimum medium temperature (continuous): -10 °C
Maximum medium temperature (continuous): 300 °C
Maximum pressure difference at 20 °C: 16 bar

Application

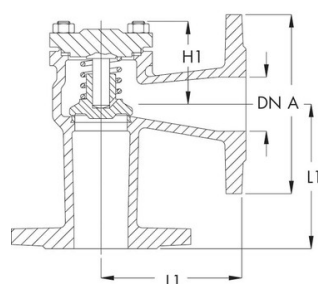
- General Industry.
- Neutral liquids.
- Steam, hot or cold water, oil, etc.
- Suitable for horizontal and vertical (rising flow) mounting.

Technical Information

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

Options

- Available in straight pattern; type 77.
- Available with bronze internals; type 102.



DN	A	L1	H1	Weight	Kv-value	Min. opening pressure
mm	mm	mm	mm	Angled [kg]	Angled	[bar]
15	95	90	50	2,2	7,2	0,05 - 0,1
20	105	95	47	2,8	9,2	0,05 - 0,1
25	115	100	57	3,9	16	0,05 - 0,1
32	140	105	60	5,5	22	0,05 - 0,1
40	150	115	70	7	37	0,05 - 0,1
50	165	125	73	9,2	51	0,05 - 0,1
65	185	145	79	12	98,5	0,05 - 0,1
80	200	155	77	17,2	143	0,05 - 0,1
100	220	175	112	25	226	0,05 - 0,1
125	250	200	119	36	281	0,05 - 0,1
150	285	225	123	55	455	0,05 - 0,1
200	340	275	157	97	860	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	230°C	250°C	300°C	
PN16	16	14,4	13,4	12,8	11,8	11,2	9,6	[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		m³/h						
DN25	PN16	100	Flap	16	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810460

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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		m³/h						
DN32	PN16	105	Flap	22	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810461
DN40	PN16	115	Flap	37	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810462
DN50	PN16	125	Flap	51	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810463
DN65	PN16	145	Flap	98.5	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810464
DN80	PN16	155	Flap	143	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810465
DN100	PN16	175	Flap	226	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810466

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