

ECON® Check valve Type: 77 Cast iron Flange PN16

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

**Characteristics****Type:** 77**Norm:** EN (DIN)**Construction type:** Straight**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 1**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**

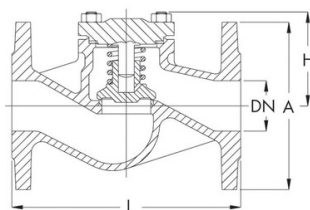
- General Industry.
- Neutral liquids.
- Steam, hot or cold water, oil, etc.
- Suitable for horizontal and vertical (rising flow) mounting.

Technical Information

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

Options

- Available in angle pattern; type 78.
- Available in ductile cast iron; type 77NGY.
- Available with bronze internals; type 101.



DN [mm]	A	L	H	Weight [kg]	Kv-value [m ³ /hr]	Min. Opening pressure [bar]
15	95	130	56	2,1	5,6	0,05 - 0,1
20	105	150	56	2,7	7,2	0,05 - 0,1
25	115	160	67	3,8	13,1	0,05 - 0,1
32	140	180	76	5,5	17,5	0,05 - 0,1
40	150	200	89	7,4	30	0,05 - 0,1
50	165	230	96	9,5	40,5	0,05 - 0,1
65	185	290	104	15	79	0,05 - 0,1
80	200	310	124	20	115	0,05 - 0,1
100	220	350	161	29	181	0,05 - 0,1
125	250	400	174	41	225	0,05 - 0,1
150	285	480	197	66	364	0,05 - 0,1
200	340	600	248	111	690	0,05 - 0,1
250	405	730	333	196	1010	0,05 - 0,1
300	460	800	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 mm	Valve shape	Kv value m ³ /h	Sealing	Material disc	Material cover	Material cover gasket	Material shaft	Article
DN15	PN16	130	Flap	5.6	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810436

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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						
DN20	PN16	150	Flap	7.2	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810437
DN25	PN16	160	Flap	13.1	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810438
DN32	PN16	180	Flap	17.5	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810439
DN40	PN16	200	Flap	30	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810440
DN50	PN16	230	Flap	40.5	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810441
DN65	PN16	290	Flap	79	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810442
DN80	PN16	310	Flap	115	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810443
DN100	PN16	350	Flap	181	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810444
DN125	PN16	400	Flap	225	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810445
DN150	PN16	480	Flap	364	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810446
DN200	PN16	600	Flap	690	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	11810447

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