

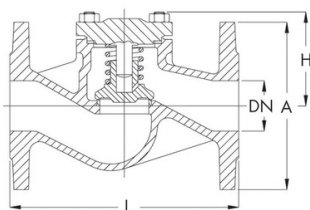
## ECON® Check valve Type: 77 Cast iron Flange PN16

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 <sup>3</sup> /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 <sup>3</sup> /h	Sealing	Material disc	Material cover	Material cover gasket	Material shaft	Article
DN25	PN16	160	Flap	13.1	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	EC000770025-GRZL

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

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

Nominal inner diameter	Pressure rating	Face to Face length mm	Valve shape	Kv value m <sup>3</sup> /h	Sealing	Material disc	Material cover	Material cover gasket	Material shaft	Article
DN32	PN16	180	Flap	17.5	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	EC000770032-GRZL
DN40	PN16	200	Flap	30	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	EC000770040-GRZL
DN50	PN16	230	Flap	40.5	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	EC000770050-GRZL
DN80	PN16	310	Flap	115	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	EC000770080-GRZL

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.