

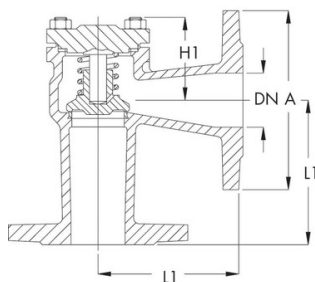


## ECON® Check valve Type: 78 Cast iron Flange PN16

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
				Angled	Angled		
mm	mm	mm	mm	[kg]			[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						
DN50	PN16	125	Flap	51	Stainless steel	1.4021	EN-JL1040	Graphite	1.4021	EC000780050-GRZL

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