



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

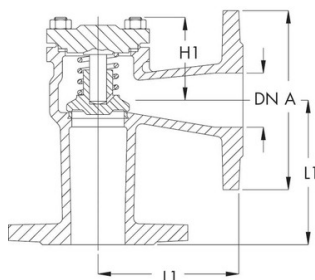
- General Industry.
- On board ships (maritime).
- Neutral liquids.
- Seawater, hot or cold water, oil, etc.
- Suitable for horizontal and vertical (rising flow) mounting.

Technical Information

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

Options

- Available in straight pattern; type101.
- 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 mm | Valve shape | Kv value m ³ /h | Sealing | Material disc | Material cover | Material cover gasket | Material shaft | Article |
|------------------------|-----------------|---------------------------|-------------|-------------------------------|---------|---------------|----------------|-----------------------|----------------|----------|
| 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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