

FLANGED AXIAL CHECK VALVE

TECHNICAL PASSPORT

FLANGED PN16 AXIAL CHECK VALVE DUCTILE IRON BODY

CA 4248A

APPLICATION

Non-return check valve.

Area of use: Industries, fluid pumping, water supply, hydraulic networks, etc.



Fluids: clear water, uncharged liquids, non-corrosive products, etc



GENERAL CHARACTERISTICS

Range: from DN350 to DN600.

- Non -return valve in cast iron all positions.
- Simple axial guidance prevents blocking of the disc.
- Body coated with RAL 5005 epoxy paint, thickness 150 microns.
- Mounting direction is indicated on the body by an arrow.
- Low cracking pressure.
- Low head losses.
- Simple installation and use.
- Stainless steel return spring for mounting in any position.
- Sealing ensured by flat nitrile gasket.

STANDARDS

| | |
|-------------------|---|
| Design | Design according to EN 12334 |
| Connection | Flanges drilled according to EN 1092-2 and DIN 2501/1 : ISO PN16. |
| Tests | Pressure test according to standards EN12266-1, DIN 3230, BS 5154 and ISO 5208: Body : 24 bar Seat : 17.6 bar |

PRODUCT APPROVALS

ERC

Tecofi France



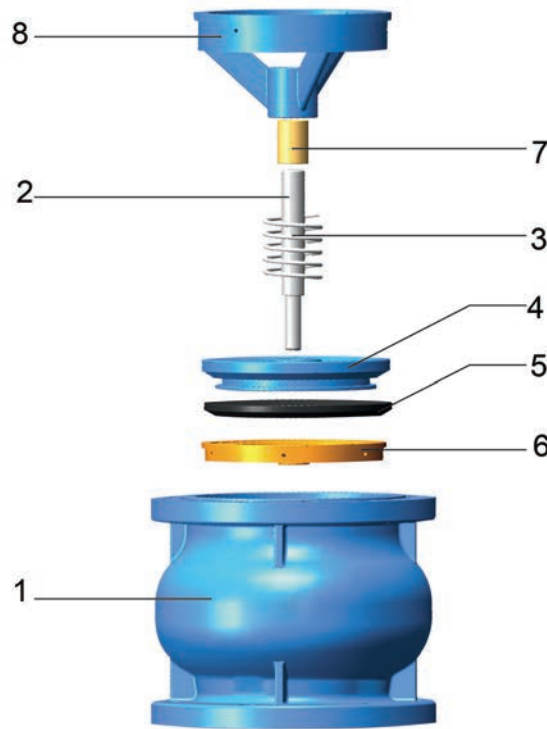
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CONSTRUCTION

| Component | Coating |
|-----------|--|
| Body | Epoxy powder RAL 5005 thickness 150µm |



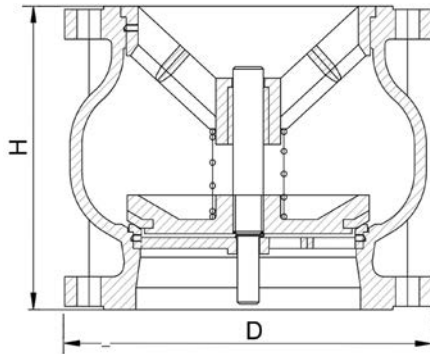
| Pos. | Description | Material |
|------|--------------|--------------------------|
| 1 | Body | Ductile iron GGG40 |
| 2 | Guide | Stainless steel X20 Cr13 |
| 3 | Spring | Stainless steel 304 |
| 4 | Plug | Ductile iron GGG40 |
| 5 | Gasket | NBR |
| 6 | Sealing ring | Bronze |
| 7 | Bearing | Bronze |
| 8 | Upper part | Ductile iron GGG40 |

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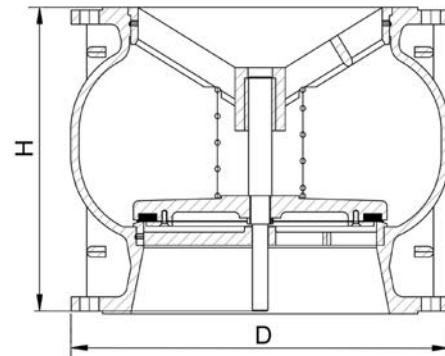
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DIMENSIONS



DN350 - 400



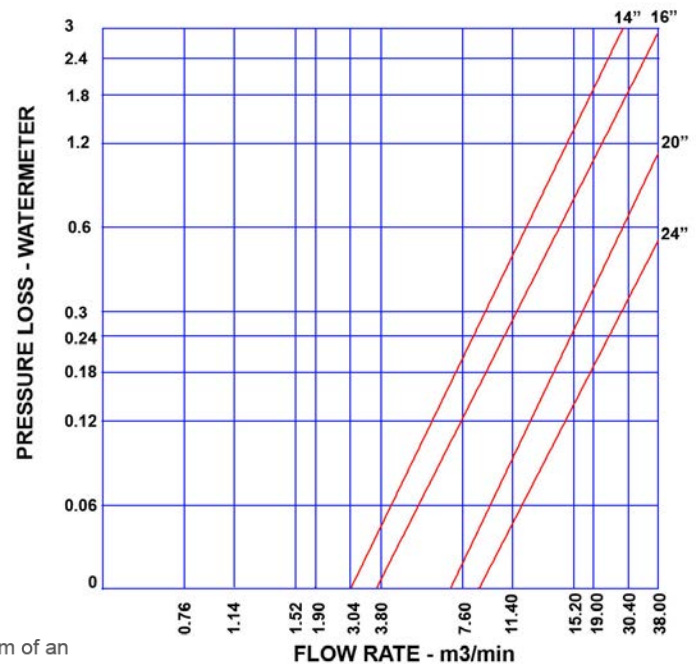
DN500 - 600

| DN | | L | D | Weight (kg) |
|-----|------|-----|-----|-------------|
| mm | inch | | | |
| 350 | 14 | 425 | 520 | 180 |
| 400 | 16 | 475 | 580 | 240 |
| 500 | 20 | 587 | 715 | 380 |
| 600 | 24 | 710 | 840 | 590 |

WORKING CONDITIONS

Maximum working pressure : 16 bar
 Maximum working temperature : -10°C / +80°C

HEAD LOSS DIAGRAMM



⚠ During the mounting it is recommended to maintain a distance of 3 to 5 times the minimal diameter upstream and downstream of an elbow or appliance. This makes it possible to stay out of areas of turbulence likely to increase the risk of wear.
 At the discharge of a pump it is advisable to carry out the assembly in accordance with the **FD CEN/TR 13932** standards