

# FLANGED AXIAL CHECK VALVE

## TECHNICAL PASSPORT

### FLANGED PN25 AXIAL CHECK VALVE DUCTILE IRON BODY

CA 4251

#### APPLICATION

Disc non-return check valve.

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



**Fluids:** clear water, uncharged liquids, non-corrosive, etc.



#### GENERAL CHARACTERISTICS

**Range:** from DN50 to DN600.

- Non-return valve in cast iron all positions.
- Simple axial guidance prevents blocking of the disc
- Body coated with powder epoxy paint from DN50 to DN400 and liquid epoxy powder from DN450.
- 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 EPDM gasket.

#### STANDARDS

<b>Design</b>	Design according to EN 12334
<b>Connection</b>	Flanges drilled according to EN 1092-2 and DIN 2501/1 : ISO PN25.
<b>Tests</b>	Pressure test according to standards EN12266-1, DIN 3230, BS 5154 and ISO 5208: Body : 37.5 bar Sèat : 27.5 bar

#### PRODUCT APPROVALS

**ERC**

**Tecofi France**

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## FLANGED AXIAL CHECK VALVE

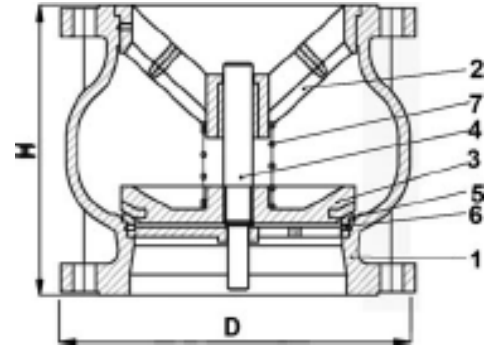
### TECHNICAL PASSPORT

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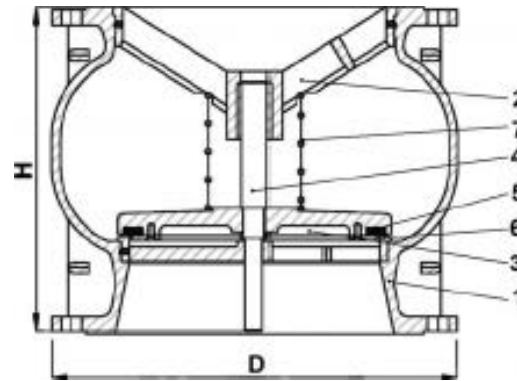
#### CONSTRUCTION

Pos.	Description	Material
1	Body	Ductile iron
2	Cone	Ductile iron
3	Disc	Ductile iron
4	Stem	Stainless steel X20Cr13
5	Gasket	EPDM
6	Ring	Bronze
7	Spring	Stainless steel 304

Component	Coating
Body	Epoxy powder (DN50-400) and liquid (DN450-600) RAL 5005 thickness 150µm



DN50-400



DN450-600

#### DIMENSIONS

DN		L	ØD	Weight (kg)
mm	inch			
50	2"	125	165	6
65	2"1/2	145	185	8
80	3"	155	200	12
100	4"	175	220	17
125	5"	200	250	23
150	6"	225	285	35
200	8"	275	340	60
250	10"	325	405	95
300	12"	375	460	130
350	14"	425	520	180
400	16"	475	580	240
450	18"	500	650	264
500	20"	587	715	380
600	24"	710	840	590

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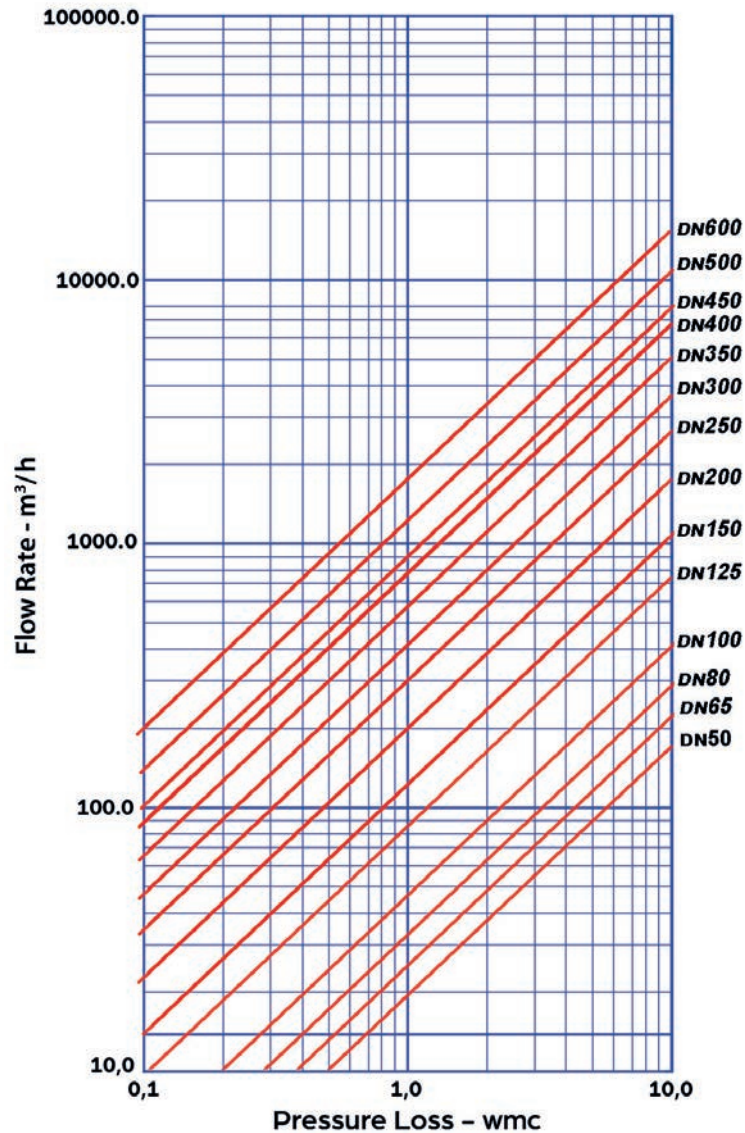


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### HEAD LOSSES



### WORKING CONDITIONS

Maximum working pressure : 25 bar  
Maximum working temperature : -10°C / +80°C

**!** 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

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