

FLANGED AXIAL CHECK VALVE

TECHNICAL PASSPORT

FLANGED PN10/16 AXIAL CHECK VALVE DUCTILE IRON BODY

CA 4248B-EA

APPLICATION

Non-return check valve.

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



Fluids: water, drinking water



ACS

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 RAL 5015 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 ACS EPDM gasket.

STANDARDS

Design	Design according to EN 12334
Connection	Flanges drilled according to EN 1092-2 and DIN 2501/1 : ISO PN10/16.
Tests	Pressure test according to standards EN12266-1, DIN 3230 and ISO 5208: Body : 24 bar Seat : 17.6 bar

PRODUCT APPROVALS



Certificate of health conformity n° 24 ACC LY 633

Tecofi France

83 rue Marcel Mérieux - 69960 Corbas
Tél. +33 (0)4 72 79 05 79 - Fax. +33 (0)4 78 90 19 19
E-mail : sales@tecofi.fr - www.tecofi.fr

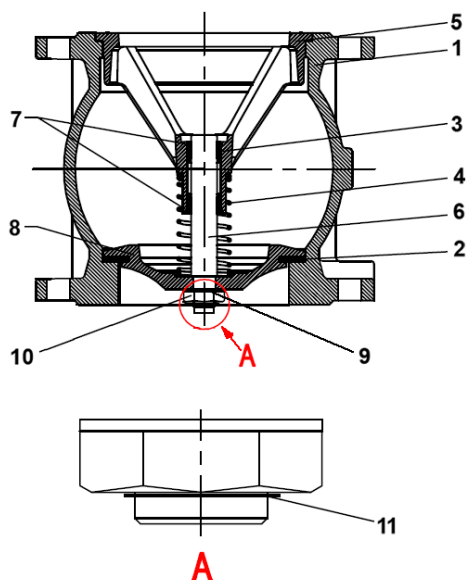


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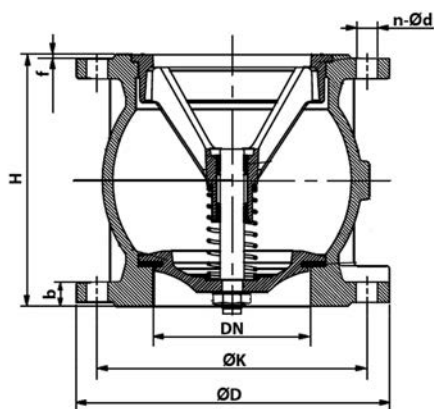
CONSTRUCTION



Pos.	Description	Material
1	Body	Ductile iron GGG50
2	Gasket	EPDM ACS
3	Guiding stem	Brass
4	Spring	Stainless steel 304
5	Guide	Ductile iron GGG50
6	Guide bar	Stainless steel 420
7	Check ring	Stainless steel 304
8	Disc	Ductile iron GGG50
9	Washer	Stainless steel 304
10	Lock nut	A2-70
11	Circlip	Stainless steel 304

Component	Coating
Body (1)	Epoxy powder RAL 5015 thickness 250µm
Disc (8)	Epoxy powder RAL 5015

DIMENSIONS



DN		D	H	K		b	f	n-d PN10 / PN16	Weight (kg)
mm	inch			PN10	PN16				
50	2"	165	100	125		19	3	4-19	4.7
65	2 1/4"	185	120	145		19	3	4-19	6.8
80	3"	200	140	160		19	3	8-19	8.3
100	4"	220	170	180		19	3	8-19	11.9
125	5"	250	200	210		19	3	8-19	16.8
150	6"	285	230	240		19	3	8-23	23.8
200	8"	340	300	295	295	20	3	8-19 / 12-23	41.6
250	10"	405	370	350	355	22	3	12-23 / 12-28	71.2
300	12"	460	410	400	410	24.5	4	12-23 / 12-28	86.3

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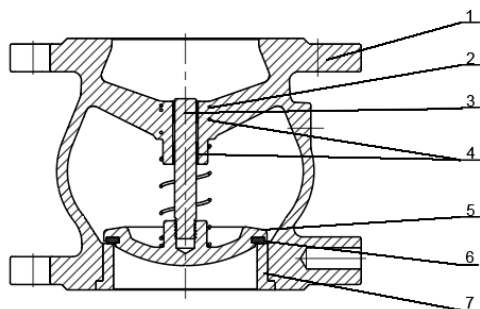
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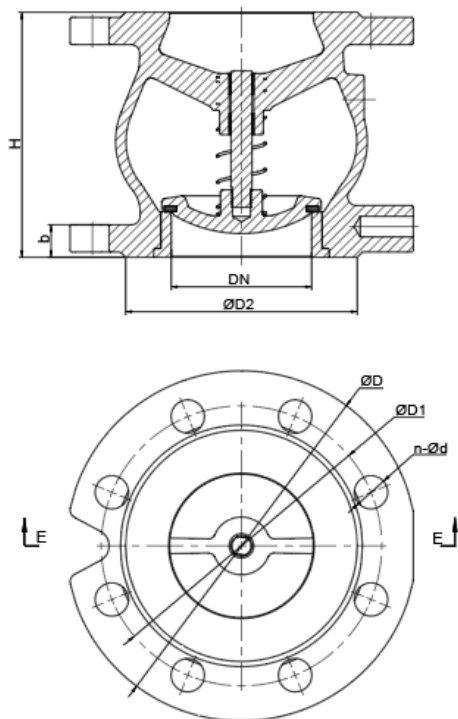
CONSTRUCTION



Pos.	Description	Material
1	Body	Ductile iron GGG50
2	Spring	Stainless steel 304
3	Guiding stem	Stainless steel 304
4	Bushing	Nylon
5	Disc	Ductile iron GGG50
6	gasket	EPDM ACS
7	Seat	Ductile iron GGG50

Component	Coating
Body (1)	Epoxy powder RAL 5015 thickness 250µm
Disc (5)	Epoxy powder RAL 5015

DIMENSIONS



DN		H	D	D1	n-d	D2	b	Weight (kg)
mm	inch							
350	14"	425	520	470	16-28	429	26.5	119.3
400	16"	475	580	525	16-31	480	28	165.5
450	3"	500	640	585	20-31	548	30	215.4
500	4"	550	715	650	20-34	609	315	264.5
600	5"	600	840	770	20-37	720	36	360.1

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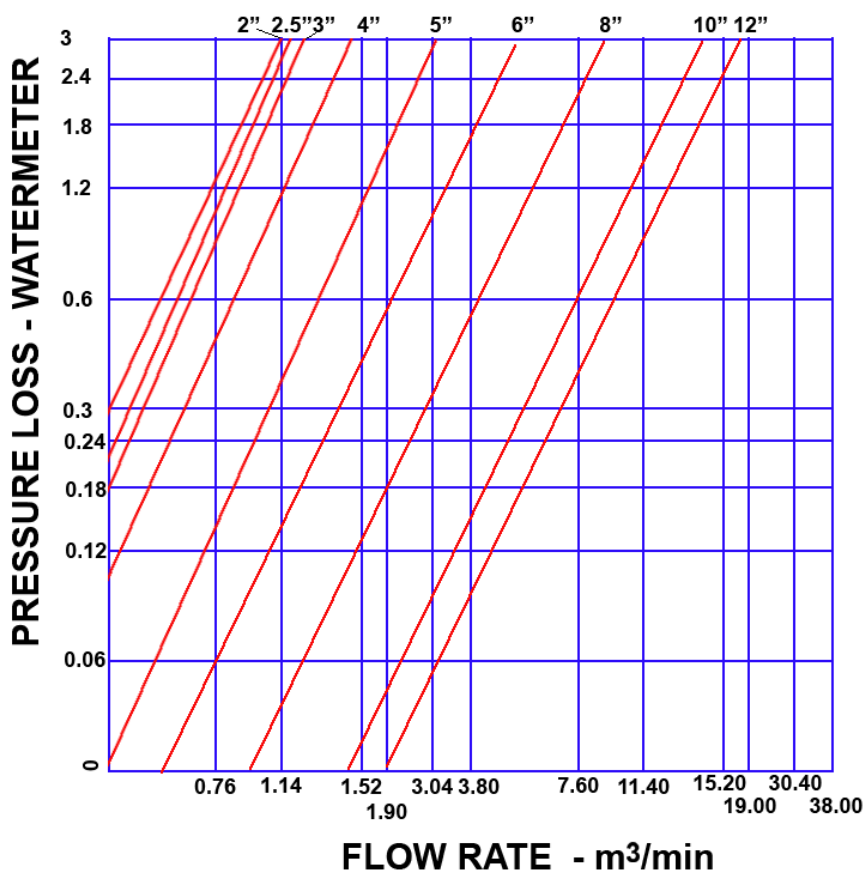
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WORKING CONDITIONS

Maximum working pressure : 16 bar

Maximum working temperature : -20°C / +85°C

HEAD LOSS DIAGRAMM DN50-300



⚠ 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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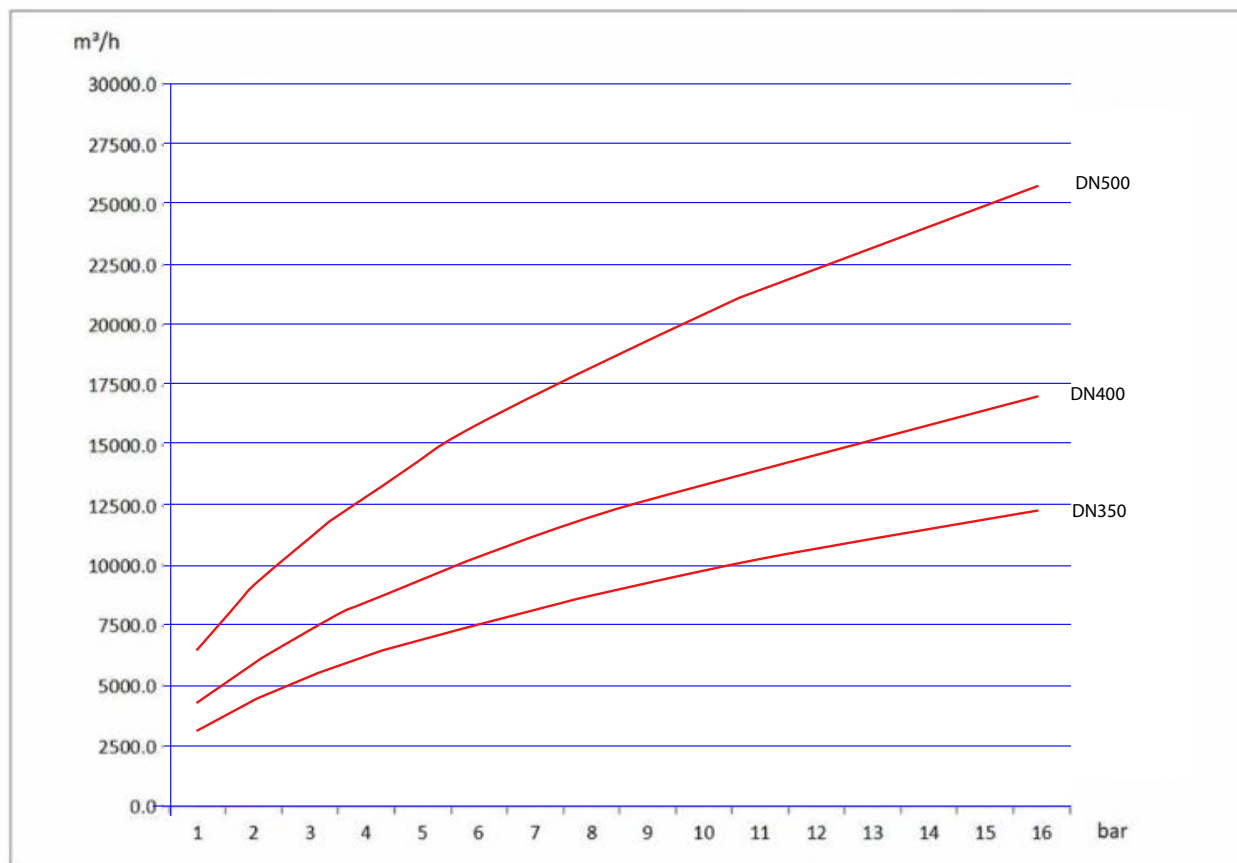


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HEAD LOSS DIAGRAMM DN350-500



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