

SWING CHECK VALVE

TECHNICAL PASSPORT

FLANGED SWING CHECK VALVE DUCTILE IRON BODY

CBI 4248-NI

APPLICATION

The swing check valve TECOFI is suitable for non-loaded fluid transfer applications under regular non-pulsating conditions.

Area of use : industry, waste water treatment.



Fluides : waste water, charged water.



GENERAL CHARACTERISTICS

Range : from DN50 to DN500.

Design according to EN16767.

Ensures the passage of fluid in one direction and closes as soon as the direction is reversed.

Direction of installation indicated by an arrow on the body.

Full flow area for non clog and low head loss.

Rustproof stainless steel bolting.

Robust and economical construction requiring no maintenance.

Does not require counterweight

Interior and exterior coating in epoxy paint RAL 5015, thickness 250µm.

Mounting on horizontal or vertical ascending piping.

Drain and plug evacuation of impurities, allows partial opening of the disc if necessary when the return pressure is greater than the opening pressure.

STANDARDS

Design	According to EN16767
Face to face	Face to face according to EN 558 (DIN3202 F6)
Connection	Flange connection in accordance with EN 1092-2 PN10/16
Tests	Hydraulic tests according to EN12266-1, DIN 3230 and ISO 5208 : - Body : 24 bar - Seat : 17.6 bar

PRODUCT APPROVALS



Tecofi France

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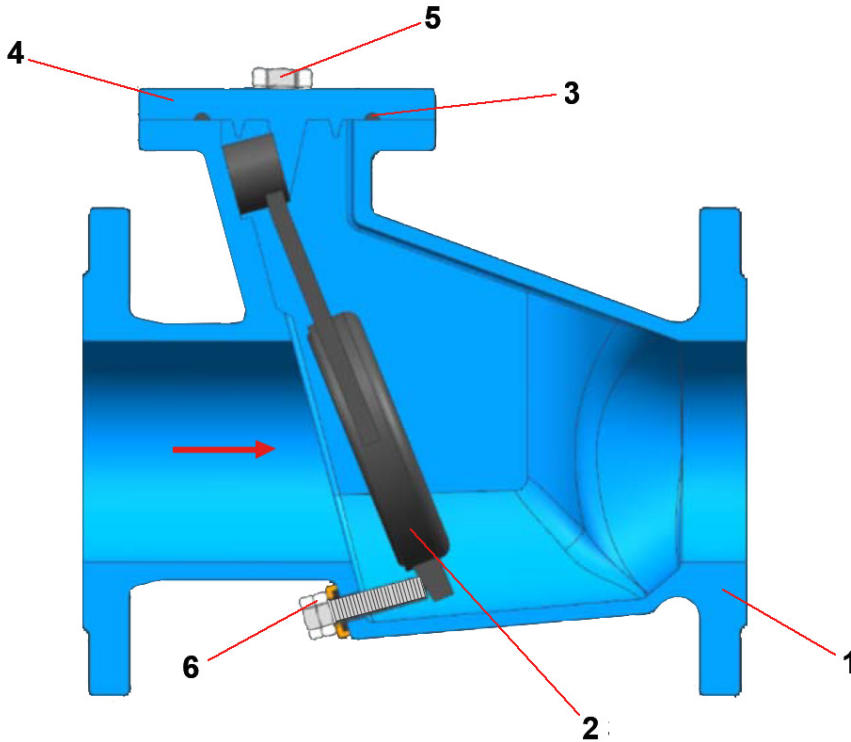


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CONSTRUCTION



Pos.	Description	Material	Equivalences		
			DIN	ASTM	BS
1	Body	Ductile iron EN-GJS-500-7	GGG50	A536 70-50-05	BS 500/7
2	Plate	Ductile iron EN-GJS-500-7 / NBR coated	GGG50	A536 70-50-05	BS 500/7
3	Gasket	NBR			
4	Bonnet	Ductile iron EN-GJS-500-7	GGG50	A536 70-50-05	BS 500/7
5	Bolt	Stainless steel A4			
6	Plug	Stainless steel A4			

The photographs and technical art works are not contractual. The specifications of the presented products are open to modifications without previous advice

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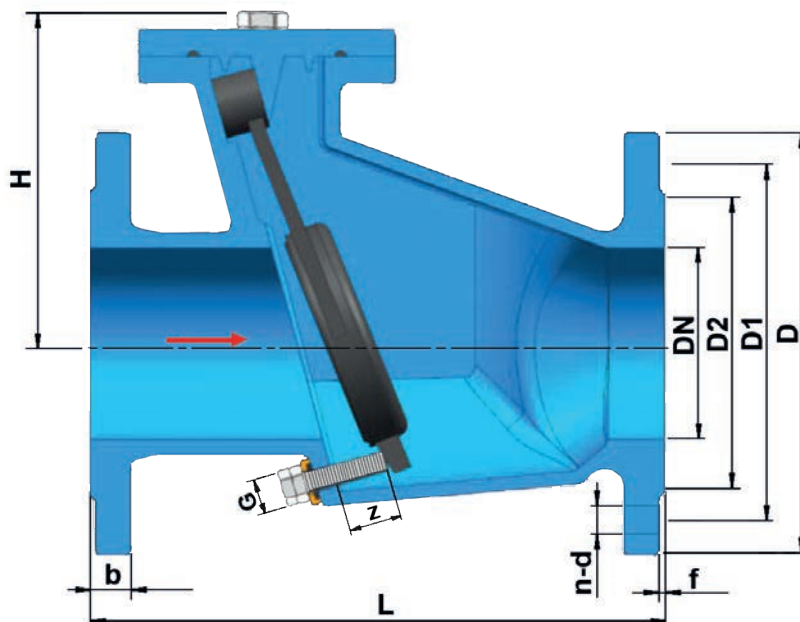


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DIMENSIONS



DN		L	H	ØD	ØD1	ØD2	G	z	b	f	n - ød	Kv (m³/h)	Weight (kg)
mm	inch												
50	2"	200	120	165	125	99	M12x50	22	19	3	4 - ø19	41	10.9
65	2 1/2"	240	140	185	145	118	M12x50	15	19	3	4 - ø19	65	14.5
80	3"	260	168	200	160	132	M12x50	22	19	3	8 - ø19	93	16.5
100	4"	300	185	220	180	156	M12x50	19	19	3	8 - ø19	170	24.5
125	5"	350	225	250	210	184	M16x60	26	19	3	8 - ø19	265	37.0
150	6"	400	269	285	240	211	M16x60	26	19	3	8 - ø23	382	48.0
200	8"	500	312	340	295	266	M16x60	22	20	3	8 - ø23 / 12 - ø23	685	86.5
250	10"	600	328	405	355	319	M16x60	22	22	3	12 - ø23 / 12 - ø28	1077	110.0
300	12"	700	377	460	410	370	M16x60	20	24.5	4	12 - ø23 / 12 - ø28	1557	173.0
350	14"	800	459	520	470	429	M16x80	40	26.5	4	16 - ø23 / 16 - ø28	1892	238.0
400	16"	900	437	580	525	480	M16x80	38	28	4	16 - ø28 / 16 - ø31	2513	325.0
450	18"	1000	465	640	585	548	M16x80	38	30	4	20 - ø28 / 20 - ø31	-	440.0
500	20"	1100	515	715	650	609	M16x80	37	31.5	4	20 - ø28 / 20 - ø34	-	565.0

WORKING CONDITIONS

Maximum working pressure : 16 bar

Cracking pressure : 0.5 bar

Minimum back pressure for sealing : 0.5 bar (DN50-150)
0.2 bar (DN200-500)

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

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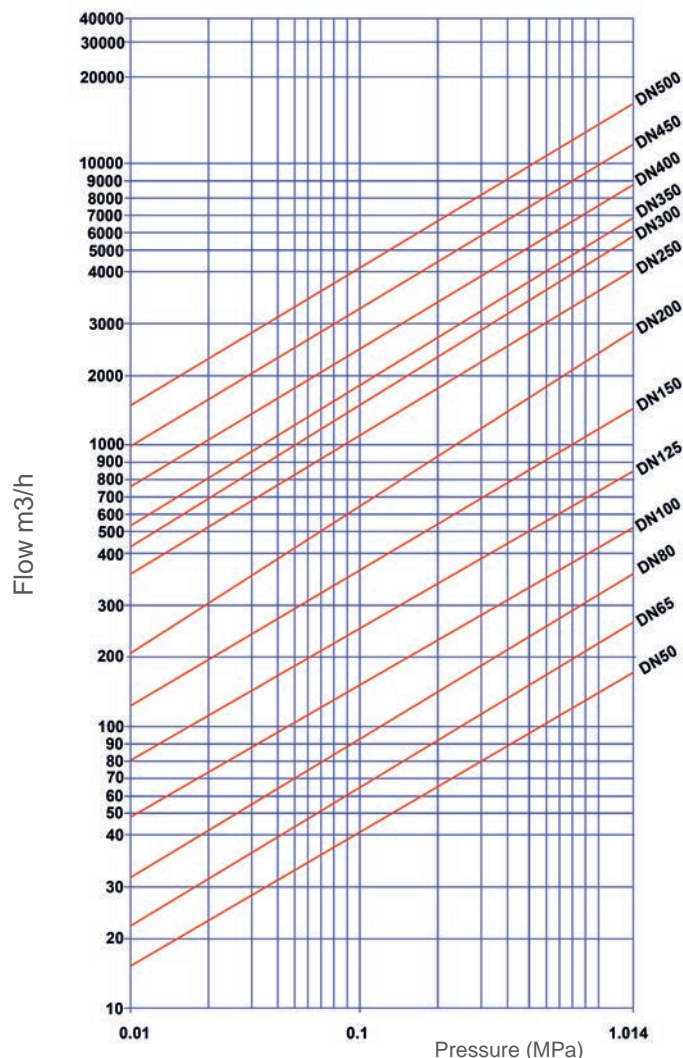


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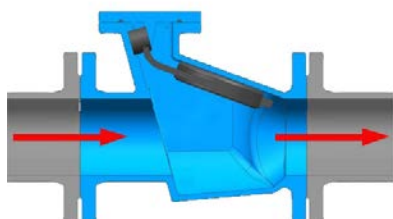
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HEAD LOSS DIAGRAM

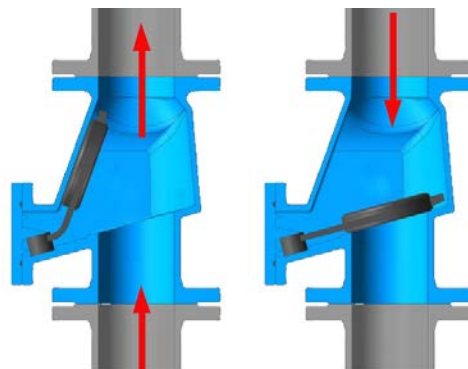


MOUNTING POSITION

Horizontal mounting:



Vertical mounting with ascending fluid



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