

FLANGED CHECK VALVE

TECHNICAL PASSPORT

FLANGED PN10 CHECK VALVE CAST IRON BODY

CB 3241PN10

APPLICATION

The TECOFI swing check valve is suitable for transfer applications of uncharged fluids under non-pulsating regime.

Area of use: pumping, water supply, air conditioning installation and heating, chemical industry, hydraulic installations.



Fluids: clear and slightly charged water, demineralized water, non corrosive products.



GENERAL CHARACTERISTICS

Range: from DN200 to DN400.

- Swing non-return check valve
- Graphite sealing gasket between body and cover
- Sealing surface slightly inclined
- Easy closure
- Mounting direction is indicated by an arrow on the body.
- Low pressure drop.
- Sturdy construction requiring no maintenance.
- Mounting on horizontal or vertical ascending piping

STANDARDS

Face to face	according to standard DIN3202-F6
Connection	Flange connection according to DIN2533 : PN10
Tests	Hydraulic tests according to EN12266-1, DIN 3230, BS 5154 and ISO 5208: - Body : 15 bar - Seat : 11 bar

PRODUCT APPROVALS



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



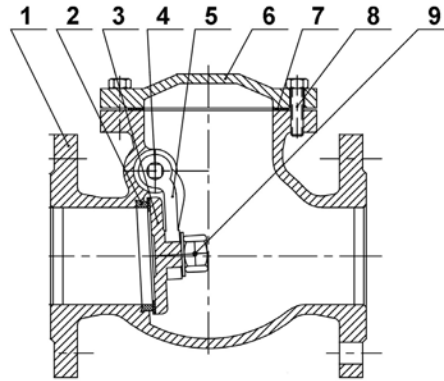
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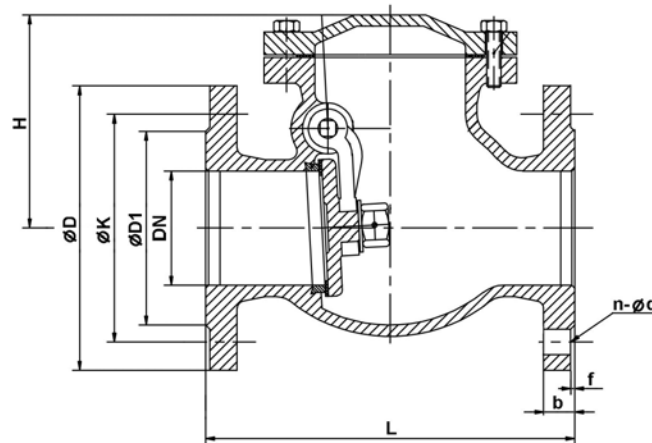
CONSTRUCTION

Constituant	Revêtement
Body (1)	Epoxy powder RAL 5017 thickness 150µm
Bonnet (6)	Epoxy powder RAL 5017 thickness 150µm



Pos.	Description	Material	Equivalences		
			DIN	ASTM	BS
1	Body	Cast iron EN-GJL-250	GG25	A48 class 40B	1452 Grade 250
2	Seat ring	Brass			
3	Plate	Cast iron EN-GJL-250 + EPDM	GG25	A48 class 40B	1452 Grade 250
4	Hinge pin	Stainless steel			
5	Hinge	Ductile iron En-GJS-400-15	GGG40	A536 65-45-12	1563 EN-JS1030
6	Bonnet	Cast iron EN-GJL-250	GG25	A48 class 40B	1452 Grade 250
7	Gasket	Graphite			
8	Screw	Zinc plated steel			
9	Nut	Zinc plated steel			

DIMENSIONS



DN		L	Ø D	Ø D1	Ø K	H	n-Ød	b	f	Weight (kg)
mm	inch									
200	8"	500	340	268	295	252	8-Ø23	30	3	95
250	10"	600	395	320	350	306	12-Ø23	32	3	135
300	12"	700	445	378	400	335	12-Ø23	32	4	220
350	14"	800	505	430	460	380	16-Ø23	36	4	286
400	16"	900	565	482	515	410	16-Ø27	38	4	380

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ISO 9001
 ISO 14001
 BUREAU VERITAS
 Certification



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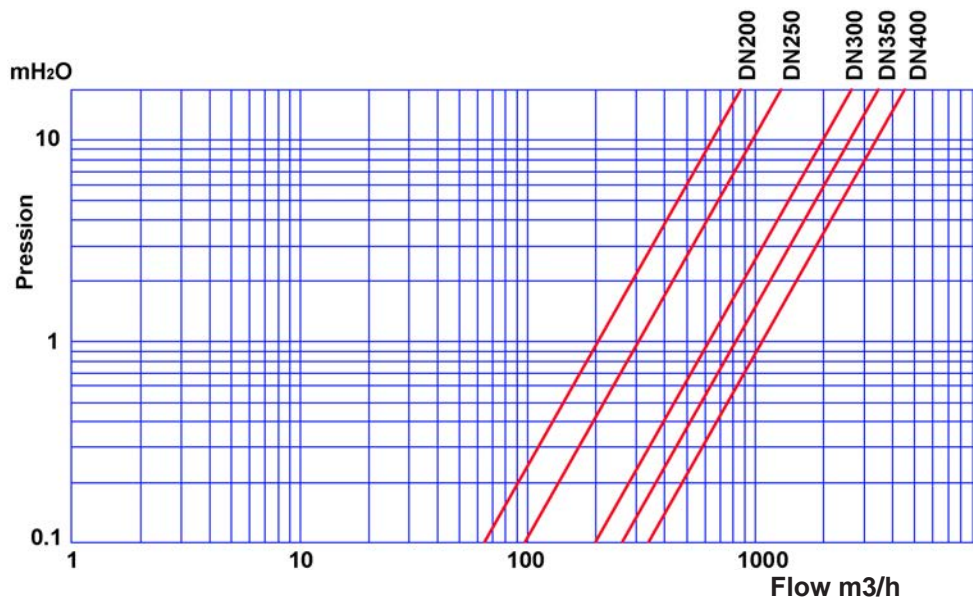
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WORKING CONDITIONS

Maximum working pressure : 10 bar

Maximum working temperature : -10°C / +80°C

HEAD LOSS DIAGRAMM



FLOW FACTOR (Kvs)

DN	200	250	300	350	400
Kvs	647	971	1994	2595	3389

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