

# FLANGED CHECK VALVE

## TECHNICAL PASSPORT

### FLANGED CHECK VALVE DUCTILE IRON BODY

**CB 4248A-MM**

#### 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 DN40 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

<b>Face to face</b>	According to standard DIN3202-F6
<b>Connection</b>	PN10/16 flange connection according to DIN2533 :
<b>Tests</b>	Hydraulic tests according to EN12266-1, DIN 3230, BS 5154 and ISO 5208: - Body : 24 bar - Seat : 17.6 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](http://www.tecofi.fr)



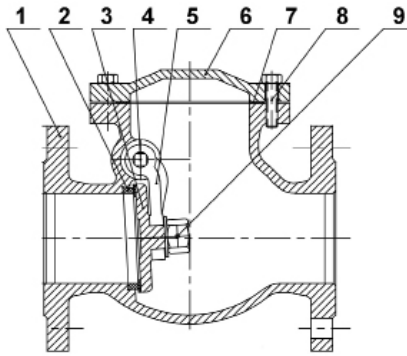
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#### CONSTRUCTION

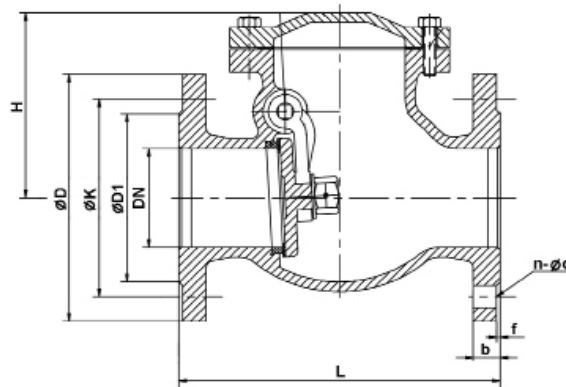
CB 4248A-MM

Constituant	Revêtement
Body (1)	Epoxy powder RAL 5015 thickness 250µm
Bonnet (6)	Epoxy powder RAL 5015 thickness 250µm



Pos.	Description	Q-ty	Material	Equivalences		
				DIN	ASTM	BS
1	Body	1	Ductile iron EN-GJS-500-7	GGG50	A536 70-50-05	EN-JS1050
2	Seat ring	1	Brass			
3	Plate	1	Ductile iron EN-GJS-500-7 + Brass	GGG50	A536 70-50-05	EN-JS1050
4	Hinge pin	1	Stainless steel			
5	Hinge	1	Ductile iron EN-GJS-500-7	GGG50	A536 70-50-05	EN-JS1050
6	Bonnet	1	Ductile iron EN-GJS-500-7	GGG50	A536 70-50-05	EN-JS1050
7	Gasket	1	Graphite			
8	Screw	1	Stainless steel A4			
9	Nut	1	Stainless steel A4			

#### DIMENSIONS



DN		L	Ø D	Ø D1	Ø K	H	n-Ød	b	f	Weight (kg)
mm	inch									
40	1 1/2"	180	150	88	110	111	4-Ø18	18	3	8
50	2"	200	165	102	125	120	4-Ø18	20	3	11
65	2 1/2"	240	185	122	145	137	4-Ø18	20	3	15
80	3"	260	200	138	160	153	8-Ø18	22	3	19.4
100	4"	300	220	158	180	163	8-Ø18	24	3	25.8
125	5"	350	250	188	210	183	8-Ø18	26	3	36
150	6"	400	285	212	240	203	8-Ø23	26	3	48
200	8"	500	340	268	295	247	8-Ø23 / 12-Ø23	30	3	82
250	10"	600	405	320	350 / 355	289	12-Ø23 / 12-Ø27	32	3	122
300	12"	700	460	378	400 / 410	325	12-Ø23 / 12-Ø27	32	4	167
350	14"	800	520	438	460 / 470	383	16-Ø23 / 16-Ø27	36	4	255
400	16"	900	580	490	515 / 525	416	16-Ø27 / 16-Ø30	38	4	313

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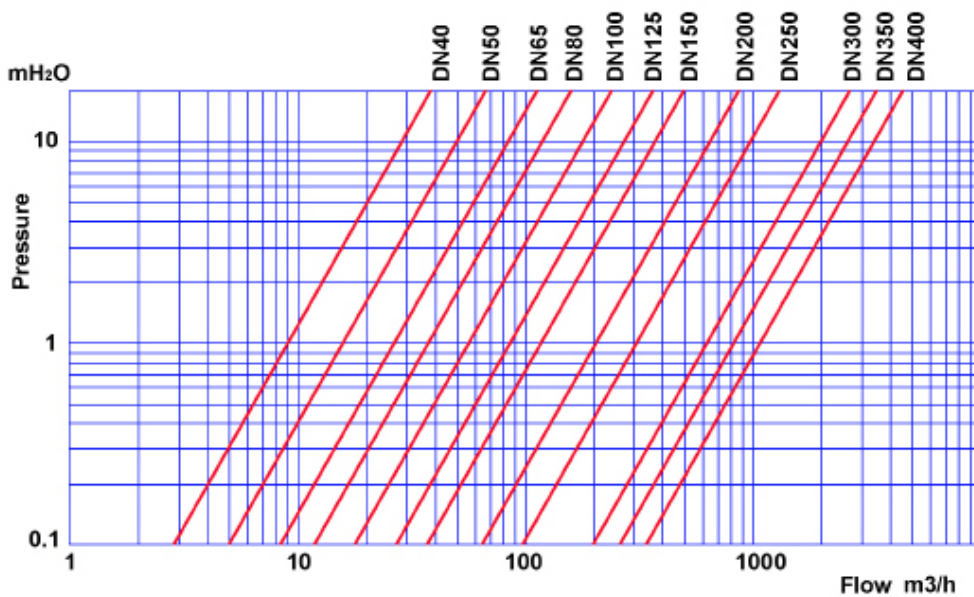
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### WORKING CONDITIONS

Maximum working pressure : 16 bar  
Maximum working temperature : 0°C / +200°C

### HEAD LOSS DIAGRAMM



### FLOW FACTOR (Kvs)

DN	40	50	65	80	100	125	150	200	250	300	350	400
Kvs	28.5	50.2	83.7	117	179	272	370	647	971	1994	2595	3389

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