

Technical data sheet

Type 508

Non return valve

System B

Applications and special features



- Vertical ascending and horizontal position (position the ball housing above the axis of the pipe)
- Minimum head loss
- Silent, robust
- Non incrustating materials
- Closing system : ball lifted up by the liquid and guided to a lateral housing completely out of the way
- Sealing ensured by an elastomer seal fixed on the seat.

Technical description

DN	PFA	PS in bar				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
1	25	10	10	10	10	3.3	149B 3202	
1 ^{1/4}	32	10	10	10	10	I	149B 3203	
1 ^{1/2}	40	10	10	10	10	I	149B 3204	
2	50	10	10	10	10	I	149B 3205	
2 ^{1/2}	65	10	10	10	10	I	149B 3206	

Important notice :

The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use.

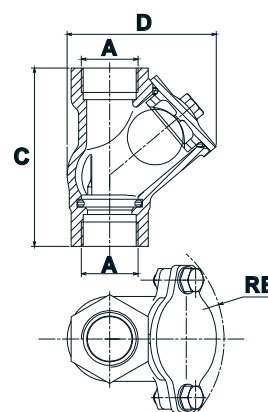
Therefore, it is essential to validate the use of products under given operating conditions.

The operating instructions are available on our web site www.danfoss-socla.com or by requesting from our sales department.

- **Connection** : Female/female (BSP)
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **Maximum permissible pressure PS - other mediums** : See table
- **T°** : Mini. -10 °C
Maxi. 80 °C
- **Mediums** : Thick liquids, viscous liquids, gas, loaded liquids
- **Approvals** : VERITAS (France)
 CE Conformity (Europe)
- **International construction Standards** :
CE Conformity Directive 97/23/CE
CE Conformity Directive 89/106/CEE EN12050-4 Standard
Thread connection according to NF E 03-005 ISO228

Overall dimensions

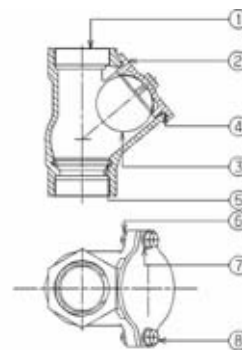
	A	RB	C	D	Weight
''	mm	mm	mm	mm	kg
1	26/34	76	114	95	1,3
1 ^{1/4}	33/42	85	132	110,5	1,9
1 ^{1/2}	40/49	93	145	121	2,45
2	50/60	107	173,5	144	3,5
2 ^{1/2}	66/76	127	200	174,5	6,2



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
2	CAP	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
3	BALL density 1,30	Thermodur		
4	SEAL	NBR		
5	SEAL	NBR		
6	SCREW	Stainless steel	X5Cr-Ni18-10	AISI 304
7	WASHER	Stainless steel	X5Cr-Ni18-10	AISI 304
8	NUT	Stainless steel	X5Cr-Ni18-10	AISI 304

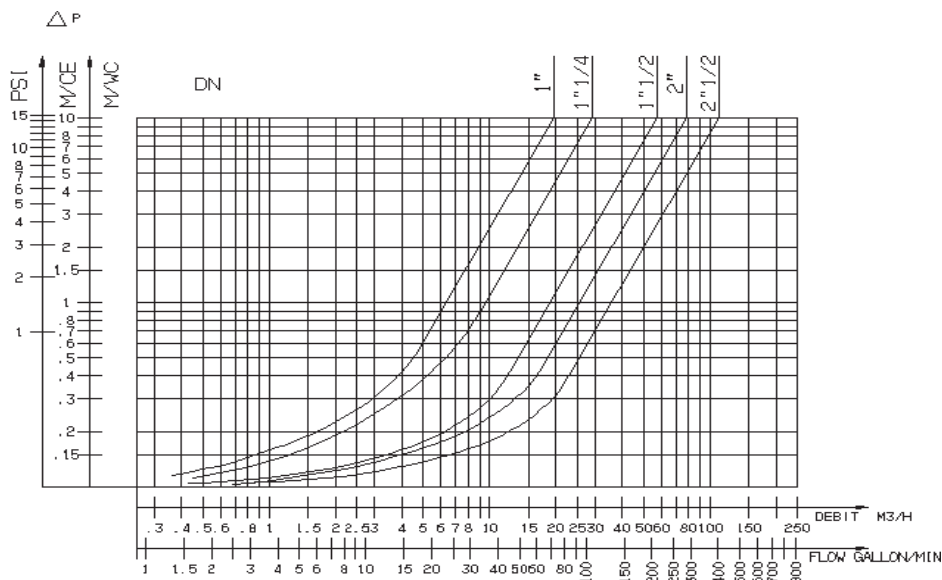


Working principle

DN		Opening pressure in mm/CE		Kv	ζ
"	mm	↑	↔	m ³ /H	
1	25	25	near 0	19,6	1,6
1 ^{1/4}	32	30		29,4	1,9
1 ^{1/2}	40	160		57,8	1,2
2	50	160		78,3	1,6
2 ^{1/2}	65	170		110,4	2,3

Directions for use :

- Solid line : Valve completely open
- Dotted line : opening stage of valve



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