

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

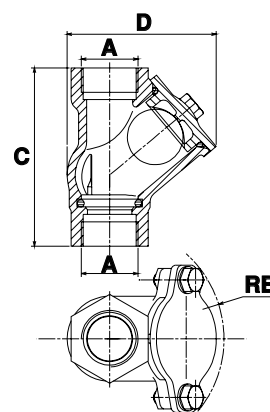
Important notice :

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.

- **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
- **θ** : Mini. -10 °C
Maxi. 80 °C
- **Mediums** : Thick liquids, viscous liquids, gas, loaded liquids
- **Approvals** : PED 97/23/CE CPD 89/106/CEE
- **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

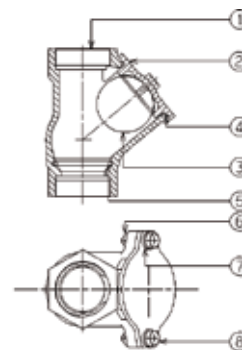
A		RB	C	D	Weight
"	mm	mm	mm	mm	kg
1	26/34	76	114	95	1,3
1 1/4	33/42	85	132	110,5	1,9
1 1/2	40/49	93	145	121	2,45
2	50/60	107	173,5	144	3,5
2 1/2	66/76	127	200	174,5	5,90



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Cast iron/Epoxy ext.	EN-GJL-250	ASTM A 48 35 B
2	CAP	Cast iron/Epoxy ext.	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

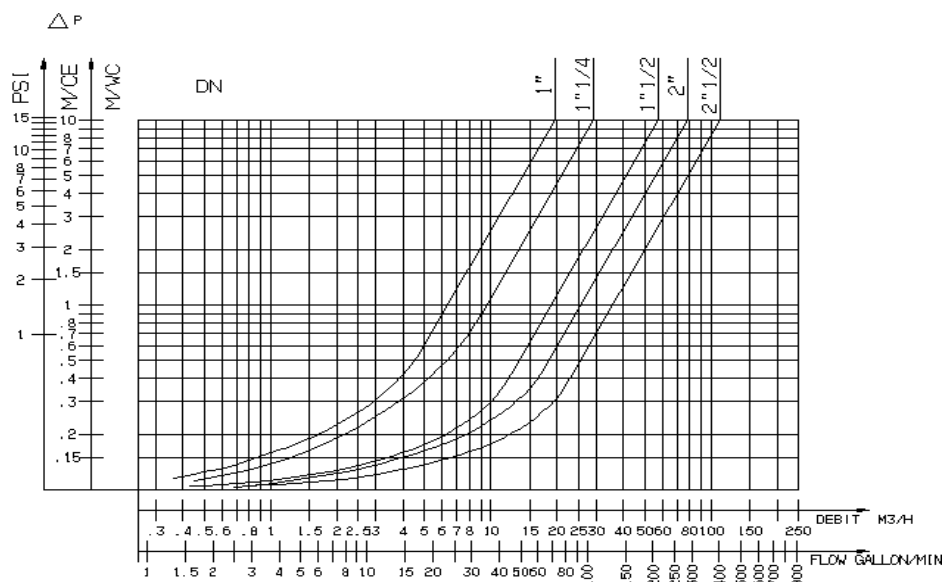


Working principle

DN		Opening pressure in mm/CE		Kv	ζ
"	mm	↑	↔	m³/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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Socla SAS

365 rue du lieutenant Putier
71530 VIREY LE GRAND
Postal address : BP 10273
71107 CHALON SUR SAONE Cedex

Tel : 33 3 85 97 42 52
Fax : 33 3 85 97 97 42
<http://www.socla.com>
e-mail: commerfr@socla.com