

Technical data sheet

Type 408

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 guaranteed by the coating of the ball

Technical description

DN "	mm	PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
2	50	10/16	10	10	10	10	10	I	149B 2471	
2 ^{1/2}	65	10/16	10	10	10	10	10	I	149B 2238	
3	80	10/16	10	10	10	10	10	I	149B 2239*	
4	100	10/16	10	10	10	10	10	I	149B 2240	
5	125	10/16	10	10	10	0,5	10	I	149B 2474	
6	150	10/16	10	10	10	0,5	10	I	149B 2905	
8	200	10	10	10	10	0,5	10	I	149B 2906	
10	250	10	10	10	10	0,5	10	I	149B 2907	
12	300	10	10	10	10	0,5	10	I	149B 2908	
14	350	10	10	10	10	0,5	10	I	149B 2909	

* drilled with 8 holes (4 holes on request)

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** : flanges drilled PN : see table
- **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. 60 °C

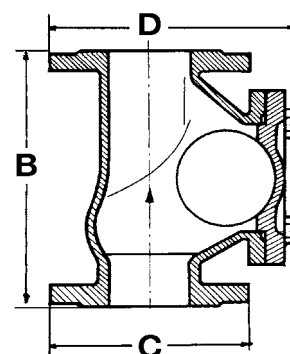
- **Mediums** : Thick liquids, viscous liquids, gas, loaded liquids

- **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
Flange drilling according to EN1092-2
Length according to EN558 series 48 except DN 350

Overall dimensions

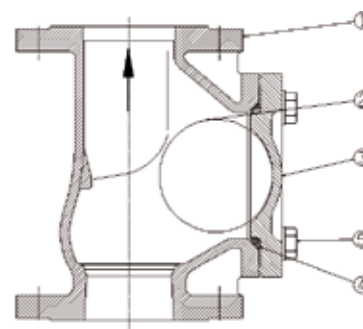
DN		B	C	D	Weight
"	mm	mm	mm	mm	kg
2	50	200	165	186	9,2
2 ^{1/2}	65	240	185	211	12,5
3	80	260	200	247	20,4
4	100	300	220	284	26,5
5	125	350	250	335	40,4
6	150	400	285	380	37,7
8	200	500	340	482,5	71,5
10	250	600	400	593,5	127
12	300	700	455	725,5	219
14	350	875	505	820	346



Technical data sheet Type 408 - Non return valve

Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING DN 50 to 125	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
	DN 150 to 350	Ductile iron + epoxy	EN-GJS-400.15	ASTM A 536 60-40-18
2	BALL DN 50 to 100	Aluminium + NBR		
	DN 125 to 350	Cast iron + NBR		
3	PLUG DN 50 to 125	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
	DN 150 to 350	Ductile iron + epoxy	EN-GJS-400.15	ASTM A 536 60-40-18
4	SEAL	NBR		
5	SCREW	Stainless steel	X5Cr-Ni18-10	AISI 304
	NUT	Stainless steel	X5Cr-NiMo17-12-2	AISI 316
	WASHER	Stainless steel	X5Cr-Ni18-10	AISI 304

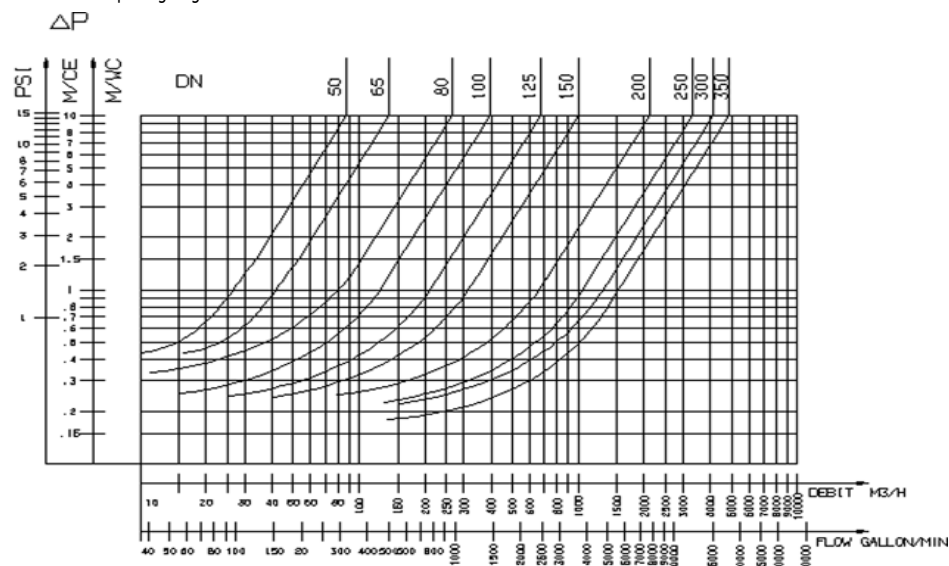


Working principle

DN		Opening pressure in mm/CE		Kv	ζ
"	mm	↑	↔	m ³ /H	
2	50	25	near 0	87,00	1,30
2 1/2	65	30		136,50	1,50
3	80	160		267,00	0,90
4	100	160		396,00	1,10
5	125	170		671,00	0,85
6	150	200		890,00	1,00
8	200	250		2116,00	0,56
10	250	180		3307,00	0,56
12	300	200		4115,00	0,75
14	350	220		4850,00	1,00

Directions for use :

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



Socla can accept no responsibility for possible errors in catalogue, brochures and other printed material. Socla reserve the right to alter its products without notice. This also applies to products already agreed. All trademarks in this material are the property of the respective companies. All right reserved.

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