508

Non-return ball valve

B System

Technical Data Sheet

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Description

The non-return ball valve 508 consists of a self-cleaning ball lifted by the fluid and guided to a lateral seat, completely out of the way. This system provides a full-flow, even with loaded fluids, without any risk of blockage.

- Vertical and horizontal operation (position of the ball above the axis of the pipe)
- Minimum head loss
- Silent, robust
- Non incrustating materials
- Sealing ensured by an elastomer seal fixed on the seat

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Non-return ball valve - B System

DN		PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
"	mm		L1	L2	G1	G2			
1	25	10	10	10	10	10	4.3	**149B3202**	1,30
1 1/4	32	10	10	10	10	10	I	**149B3203**	1,90
1 1/2	40	10	10	10	10	10	I	**149B3204**	2,45
2	50	10	10	10	10	10	I	**149B3205**	3,50
2 1/2	65	10	10	10	10	10	I	**149B3206**	5,90

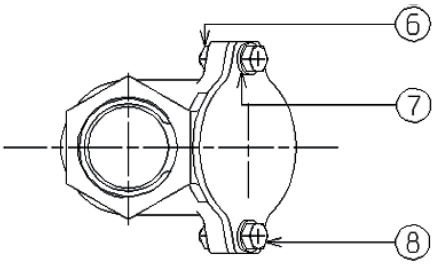
Important notice :

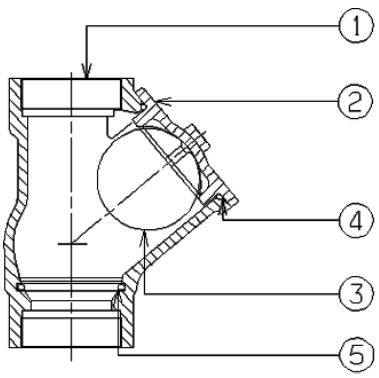
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our website www.socla.com or by requesting from our sales department.

Technical features	
Operating temperature	-10 °C to 80 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Female/female, G cylindrical gas thread
Mediums	Wasted water, viscous liquids, loaded liquids , thick liquid, gas

Nomenclature and materials

N°	Description	Materials
1	Body	Cast iron / Epoxy ext
2	Cover	Cast iron / Epoxy
3	Ball density 1,30	Thermodur
4	Seal	NBR (nitrile)
5	Seal	NBR (nitrile)
6	Nut	Stainless steel A2
7	Washer	Stainless steel A2
8	Screw	Stainless steel A2





Approvals

PED 2014/68/UE
CPR 305/2011/UE

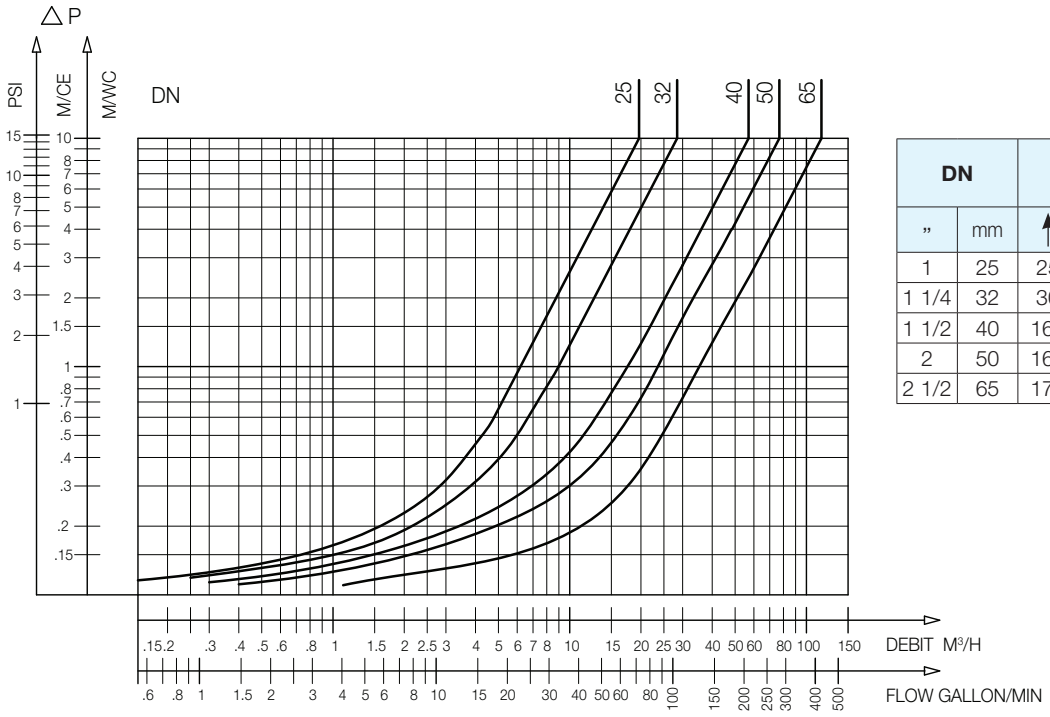
International construction Standards :
CE Directive 2014/68/UE
CE conformity regulation 305/2011/UE Standard EN12050-4
Thread connection according to NF EN ISO 228-1

Application

Wasted water, viscous, thick and loaded liquids, gas.

Operation

Direction for use :
• Solid line: Valve completely open



DN		Opening pressure in mm/CE		Kv	ζ
"	mm	↑	↔	m³/H	
1	25	25	Near to 0	19,63	1,62
1 1/4	32	30		28,44	2,07
1 1/2	40	160		56,97	1,26
2	50	160		75,86	2,69
2 1/2	65	170		115,70	2,13

508 - Headloss chart

Sizing

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

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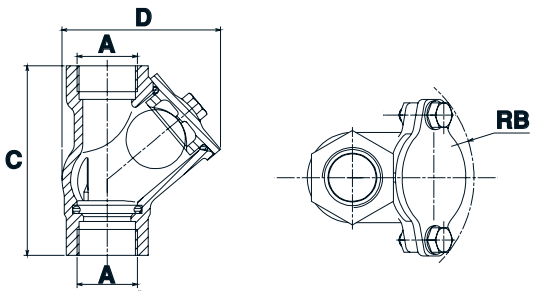

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