

508

Non-return valves with ball
System B

Technical Data Sheet



Description

The non-return valves with ball 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 bore, even with loaded fluids, without any risk of blockage.

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



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

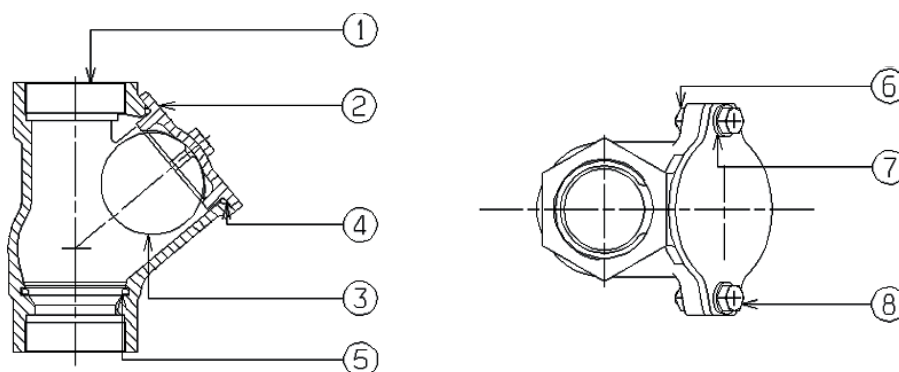
Important notice :

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.

Technical features

Operating temperature	-10 °C to 90 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Female/female, (BSP)
Mediums	Waste water, viscous liquids, loaded liquids

Nomenclature and materials



N°	Description	Materials	EURO	ANSI
1	Body	Cast iron / Epoxy ext	EN1561 EN-GJL-250	ASTM A 48 35 B
2	Cover	Ductile iron / Epoxy	EN1563 EN-GJS-400-15	ASTM A 536 66-45-12
3	Ball density 1,30	Thermodur		
4	Seal	NBR (nitrile)		
5	Seal	NBR (nitrile)		
6	Nut	Stainless steel A2	EN 100 88- 3 X5Cr-Ni18-10	AISI 304 NF EN 150 3506
7	Washer	Stainless steel A2	EN 100 88- 3 X5Cr-Ni18-10	AISI 304 NF EN 150 3506
8	Screw	Stainless steel A2	EN 100 88- 3 X5Cr-Ni18-10	AISI 304 NF EN 150 3506

Approvals



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

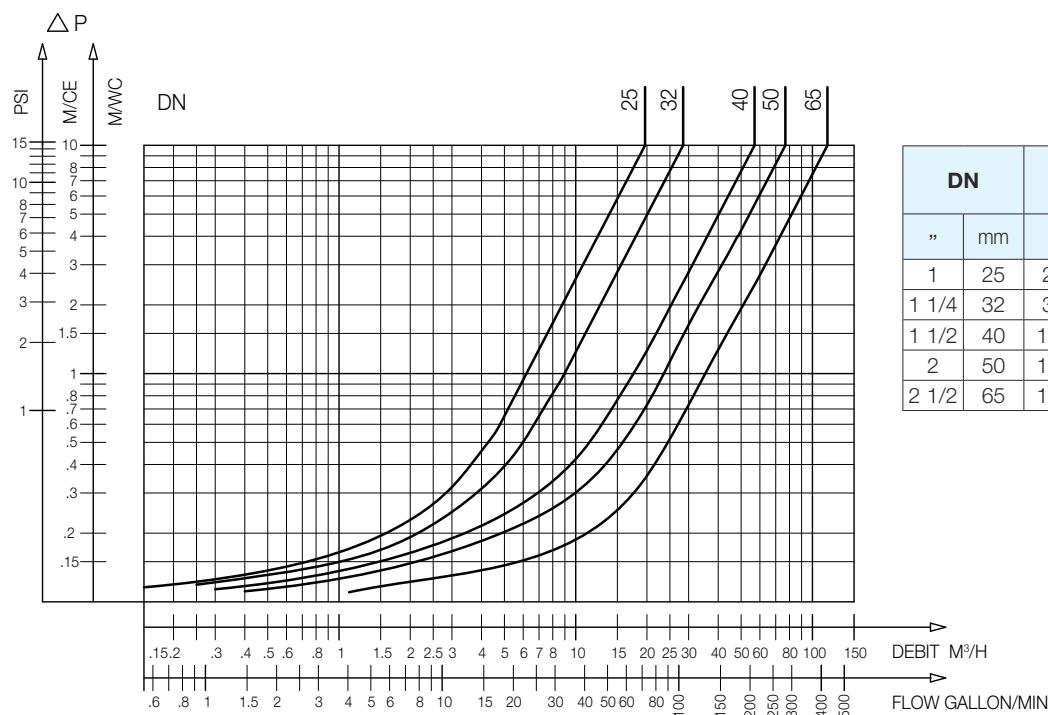
Application

Waste water, viscous liquids, loaded liquids.

Operation

Direction for use :

- Solid line: Valve completely open

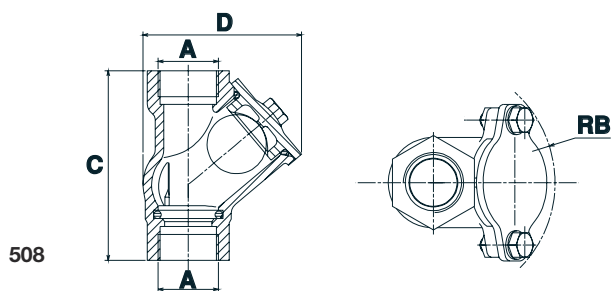


DN		Opening pressure in mm/CE		Kv m³/H	ζ
"	mm	↑	↔		
1	25	25	Near to 0	19,63	1,62
1 1/4	32	30		28,44	2,07
1 1/2	40	160		56,97	1,26
2	50	160		75,86	2,69
2 1/2	65	170		115,70	2,13

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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