

# 508

Non-return ball valve

B System

## Technical Data Sheet



## 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



### 508

Non-return ball valve - B System

DN "	mm	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
			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 :

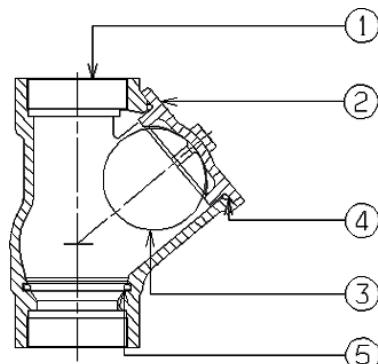
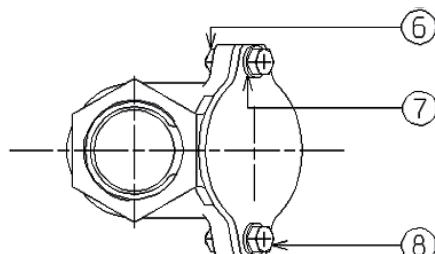
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our website [www.socla.com](http://www.socla.com)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



### 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

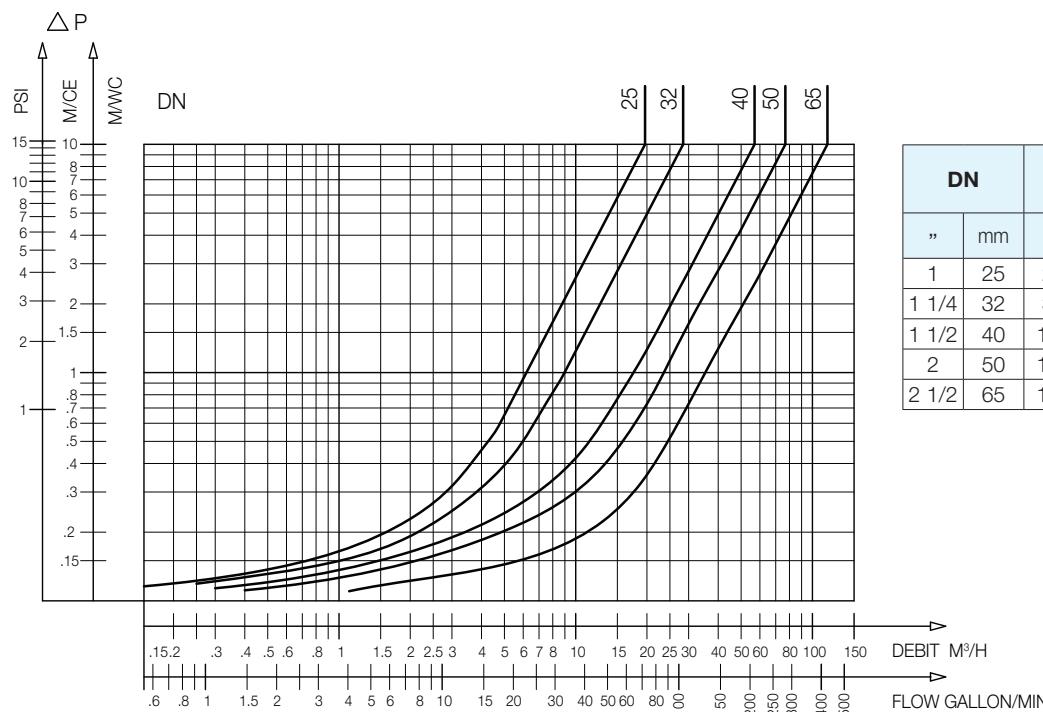
## Application

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

## Operation

### Direction for use :

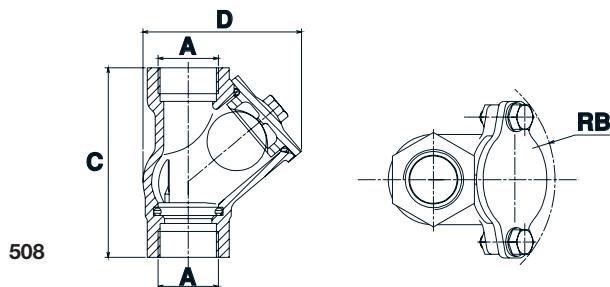
- Solid line: Valve completely open



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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