

# 50

Non-return ball valve

B System

## Technical Data Sheet



## Description

The non-return ball valve 50 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 elastomer seal fixed on the seat



## 50

Non-return ball valve - B System

DN	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
		L1	L2	G1	G2			
1	25	10	10	10	10	4.3	<b>149B2522</b>	1,50
1 1/4	32	10	10	10	10	I	<b>149B2523</b>	2,00
1 1/2	40	10	10	10	10	I	<b>149B2524</b>	2,80
2	50	10	10	10	10	I	<b>149B2525</b>	3,60
2 1/2	65	10	10	10	10	I	<b>149B2527</b>	5,60
3	80	10	10	10	10	I	<b>149B2528</b>	12,80

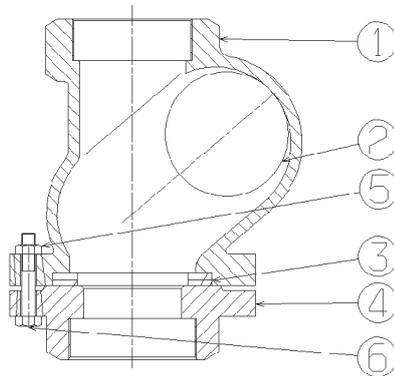
### Important notice :

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, BSP
Mediums	Wasted water, thick, viscous or loaded liquids, gas

### Nomenclature and materials



N°	Description	Materials	EURO	ANSI
1	Body	Cast iron / Epoxy	EN-GJL-250	ASTM A 48 35 B
2	Ball	Density 1,30 Thermodur		
3	Seal	DN 1"1/2 Others DN	CR NR	
4	Flange	Cast iron / Epoxy	EN-GJL-250	ASTM A 48 35 B
5	Nut	Stainless steel	X10CrNi18-10	AISI 304
6	Screw	Stainless steel	X10CrNi18-10	AISI 304

## Approvals



### International construction Standards :

Directive 2014/68/UE

CE Conformity Regulation 305/2011/UE Standard EN12050-4

Thread connection according to NF E 03-005 ISO228

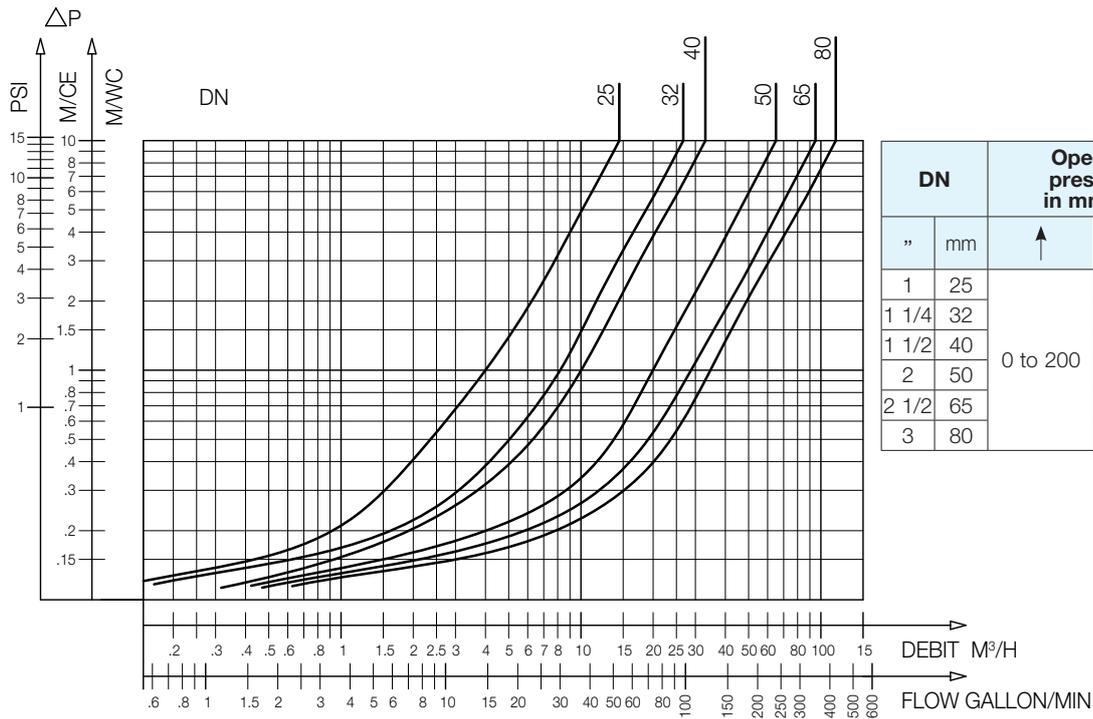
## Application

Wasted water, thick, viscous or loaded liquids, gas

## Operation

### Direction for use :

- Solid line: Valve completely open

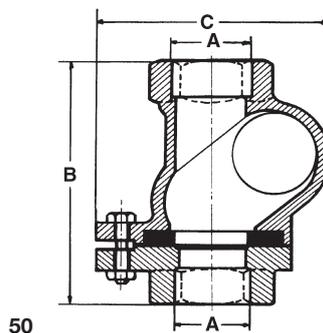


DN		Opening pressure in mm/CE		Kv m³/H	ζ
"	mm	↑	↔		
1	25	0 to 200	Near to 0	14,45	3
1 1/4	32			26,7	2,35
1 1/2	40			33,85	3,57
2	50			64,1	2,4
2 1/2	65			95,15	3,15
3	80			116,4	4,83

50 - Headloss chart

## Sizing

A		B	C
"	mm	mm	mm
1	26/34	121	104
1 1/4	33/42	134	119
1 1/2	40/49	145	137
2	50/60	174	157
2 1/2	66/76	195	179
3	80/90	246	214



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