

# 102P

Non-return foot valve

02 System

## Technical Data Sheet



## Description

Valve with very wide range of applications. It prevents water hammering, it's noiseless and the quality-price ratio is optimal.

- Operates in any position from horizontal to vertical ascending
- Minimum head loss
- Compactness
- Exceptional robustness
- Closing system : long back axial guiding reduced displacement
- Sealing guaranteed by a flat seal
- Return spring



## 102P

Non-return foot valve - 02 System

DN	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg	
		L1	L2	G1	G2				
2 1/2	65	16	16	16	x	x	4.3	<b>149B2759</b>	3
3	80	16	16	16	x	x	4.3	<b>149B2760</b>	5
4	100	16	16	16	x	x	4.3	<b>149B2761</b>	8

### Important notice :

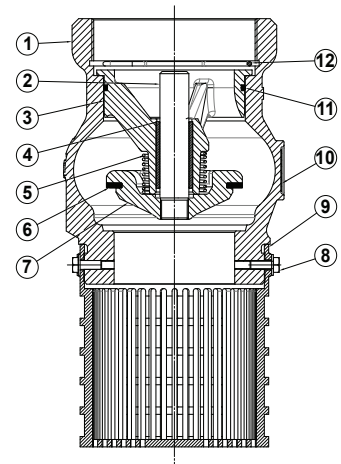
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site [www.socla.com](http://www.socla.com)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

### Nomenclature and materials

N°	Description	Materials	EURO	
1	Body	Cast iron / Epoxy	EN 1561 EN-GJL-250	
2	Stem	DN 4"	Bronze	EN 1982 CuSn5Zn5Pb2-C GS
3	Guide	DN 2" 1/2	Bronze	EN 1982 CuSn5Zn5Pb2-C GS
		Others DN	Cast iron / Epoxy	EN 1561 EN-GJL-250
4	Bush	DN3"- DN 4"	Bronze	EN 1982 CuSn5Zn5Pb2-C GS
5	Spring		Stainless steel	EN 10270-3 X10CrNi18-8
6	Seal		EPDM	
7	Closing system	Others DN : one-piece	Bronze	EN 1982 CuSn5Zn5Pb2-C GS
		DN 4"	Cast iron / Epoxy	EN 1561 EN-GJL-250
8	Screw		Galvanised steel	
9	Strainer		PP (polypropylene)	
10	Rating plate			
11	O-ring seal		EPDM	
12	Snap ring		Stainless steel	EN10270-3X10CrNi18-8



# Approvals



**International construction Standards :**  
Directive 2014/68/UE  
Raccordement filetage NF EN ISO 228-1

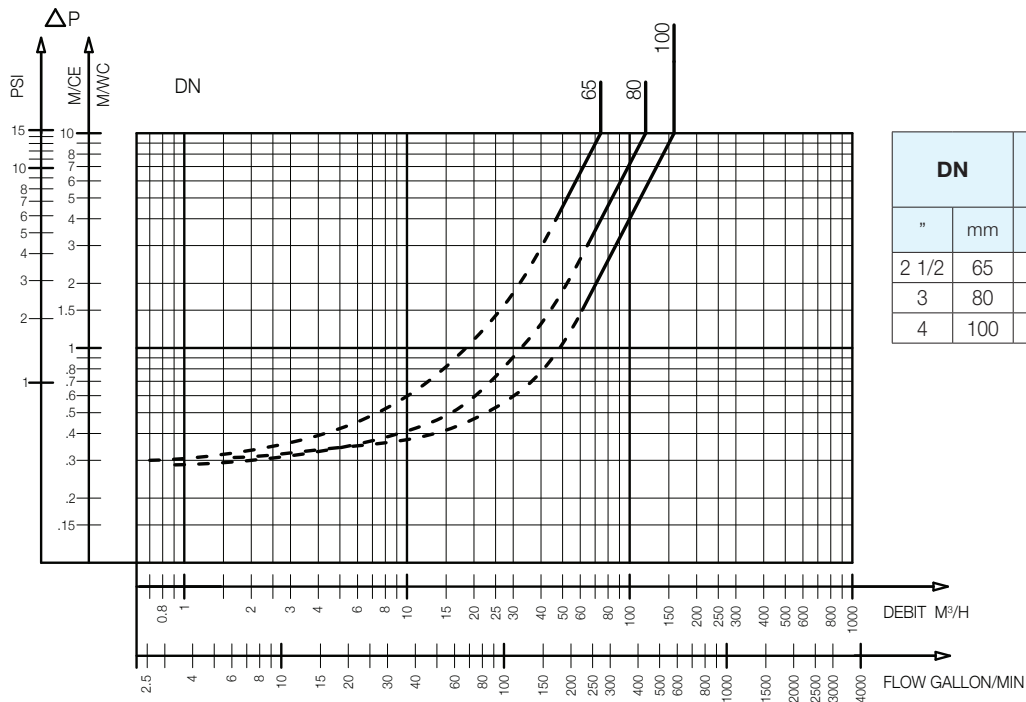
# Application

Clear water pumping.

# Operation

**Direction for use :**

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

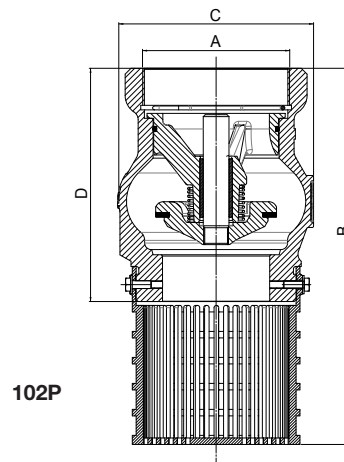


DN		Opening pressure in mm CE		Kv m²/H	ζ
"	mm	↑	Without spring		
2 1/2	65	230	110	74	5,20
3	80	240	130	139	3,40
4	100	280	130	158	6,40

102P - Headloss chart

## Sizing

A		B	C	D
"	mm	mm	mm	mm
2 1/2	66/76	195	97	123,5
3	80/90	239	126	152
4	102/114	290	150	180



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