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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 and reduced displacement
- Sealing guaranteed by a flat seal
- Return spring



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DN		PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
"	mm		L1	L2	G1	G2			
2 1/2	65	16	16	16	x	x	4.3	149B2767	3,1
3	80	16	16	16	x	x	4.3	149B2768	5,2
4	100	16	16	16	x	x	4.3	149B2769	8,3
6	150	16	13	16	x	x	4.3	149B1163	22



Important notice :

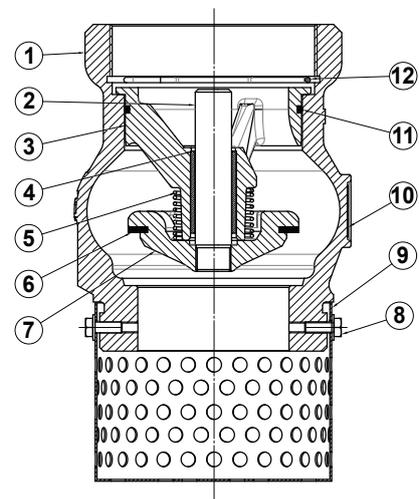
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site www.socla.com or by requesting from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

Technical features

Operating temperature	-10 °C to 100 °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" and 6"	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	DN 3" DN 4" and DN 6"	Bronze	EN 1982 CuSn5Zn5Pb2-C GS
5	Spring		Stainless steel	EN 10270-3 X10CrNi18-8
6	Seal		EPDM	
7	Closing system	DN 2"1/2 and 3" : one-piece	Bronze	EN 1982 CuSn5Zn5Pb2-C GS
		DN 4" and 6"	Cast iron / Epoxy	EN 1561 EN-GJL-250
8	Screw		Galvanised steel	
9	Strainer		Galvanised steel	
10	Rating plate			
11	O-ring seal		EPDM	
12	Clip		Stainless steel	EN10270-3 X10CrNi18-8



Approvals



International construction Standards :
Directive 2014/68/UE
Thread connection NFE 03-005 ISO228

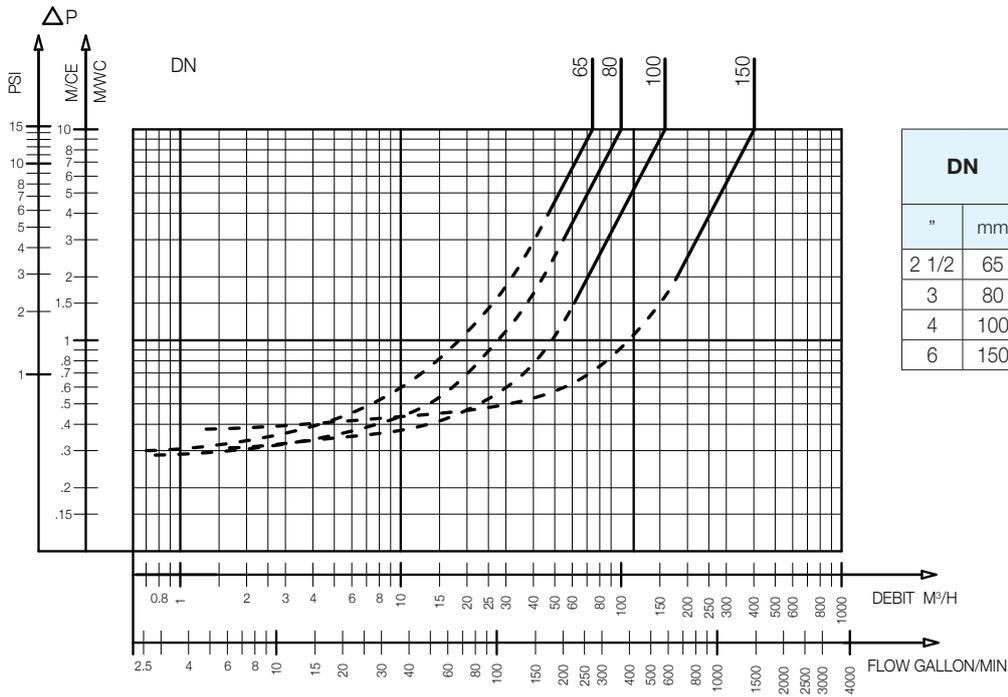
Application

Clear water pumping.

Operation

Direction for use :

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

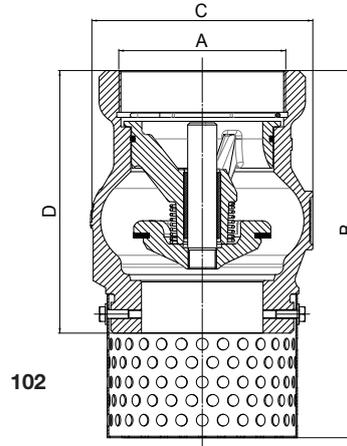


DN	Opening pressure in mm CE	Kv	ζ		
				Without spring	
2 1/2	65	230	110	74	5,20
3	80	240	130	114,40	5
4	100	280	130	158	6,40
6	150	350	150	402,20	5

102 - Headloss chart

Sizing

	A	B	C	D
"	mm	mm	mm	mm
2 1/2	65	167	98,5	124
3	80	212,5	126	152
4	100	251	150	180
6	150	430,5	223	275



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