

302V

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 FKM flat seal
- Return spring



302V

Non-return foot valve - 02 System

DN	PN	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
			L1	L2	G1	G2			
2	50	10/16	16	16	x	x	4.3	149B14677	4,3
2 1/2	65	10/16	16	16	x	x	4.3	149B14496	6,4
3	80	10/16	16	16	x	x	4.3	149B14678	9,3
4	100	10/16	16	16	x	x	4.3	149B14879	13,6
5	125	10	10	10	x	x	4.3	149B14767	19
6	150	10	10	10	x	x	4.3	149B14506	28
8	200	10	10	10	x	x	4.3	149B14515	48
10	250	10	10	10	x	x	I	149B23078	90
12	300	10	10	10	x	x	I	149B15238	133
14	350	10	10	10	x	x	I	149B22178	226

*Steel strainer 316L or others, consult us
*Others flange drilling PN, consult us

Important notice :

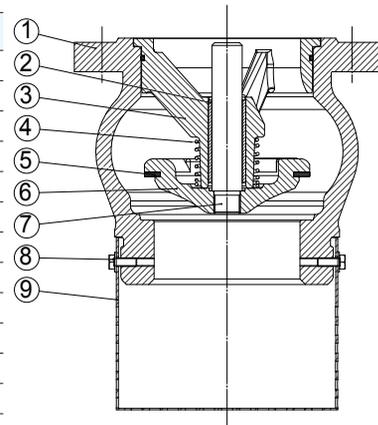
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site www.socla.com or by requesting from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

Nomenclature and materials

N°	Description	Materials	EURO	ANSI
1	Body	Cast iron / Epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
2	Ring	Except DN 50 DN 50	Bronze EN 1982 CuSn5Zn5Pb2-C GS	
3	Guide	Others DN	Cast iron / Epoxy EN 1561 EN-GJL-250	ASTM A 48 35 B
4	Spring		Stainless steel EN 10270-3 X10CrNi18-8	AISI 302
5	Seal		FKM	
6	Closing system	DN 50-65 : one-piece	Cast iron / Epoxy EN 1561 EN-GJL-250	ASTM A 48 35 B
7	Stem		Bronze EN 1982 CuSn5Zn5Pb2-C GS	
8	Screw	DN 50 to 150 DN 200 to 300	Galvanised steel Brass	EN 12164 CuZn39Pb3 R360 mini
9	Strainer		Galvanised steel	



Approvals



International construction Standards :
 Directive 2014/68/UE
 Flange drilling according to EN 1092-2

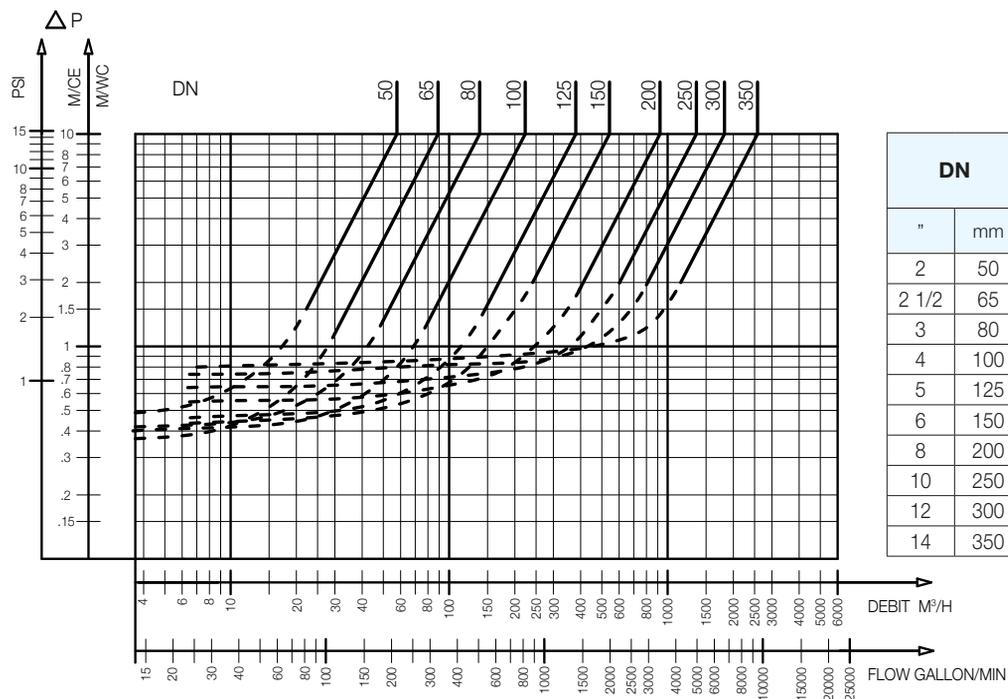
Application

Pumping, industry, hydrocarbons.

Operation

Direction for use :

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

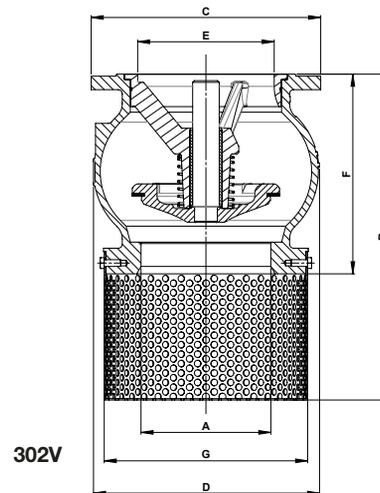


DN		Opening pressure in mm CE		Kv	ζ
"	mm	↑	Without spring	m³/H	
2	50	230	110	57,70	3
2 1/2	65	240	130	89	3,60
3	80	280	130	138,70	3,40
4	100	290	130	223,40	3,20
5	125	350	150	380	2,70
6	150	400	170	542,25	2,75
8	200	450	190	923	3
10	250	560	250	1354,65	3,40
12	300	760	365	1821,40	3,90
14	350	810	380	2580,30	3,60

302V - Headloss chart

Sizing

DN	A	B	C	D	E	F	G
"	mm						
2	50	52	144	165	99	54	100
2 1/2	65	66	186	185	127	68	125
3	80	82	219	200	153	82	147
4	100	105	266	220	184	106	176
5	125	125	334	254	220	127	204
6	150	150	374	285	259	152	233
8	200	194	483	343	338	204	296
10	250	237	572	406	420	254	367
12	300	278	656	482	490	291	407
14	350	325	773	533	584	334	491



The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

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