

Technical data sheet

Type 322

Foot valve

System 02

Applications and special features



- Operates in any position from horizontal to vertical ascending
- Minimum head loss
- Silent, reliable sealing, compact
- Exceptional robustness
- Does not generate hammering
- Closing system : long back axial guiding for reduced displacement
- Sealing guaranteed by a flat seal
- Return spring
- Bronze seat

Technical description

Important notice :

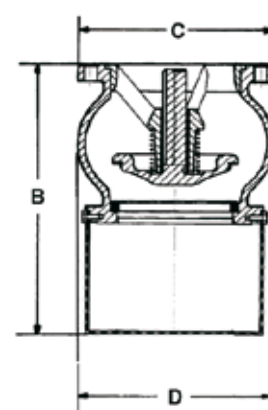
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

DN	"	PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
2	50	10/16	16	16	16	x	x	3.3	149B 2616	
2 ^{1/2}	65	10/16	16	16	16	x	x	3.3	149B 2617	
3	80	10/16	16	16	16	x	x	3.3	149B 2618	
4	100	10/16	16	16	16	x	x	3.3	149B 2619	
5	125	10/16	16	16	16	x	x	3.3	149B 2620	
6	150	10/16	16	13	16	x	x	3.3	149B 2621	
8	200	10	10	10	10	x	x	3.3	149B 2622	
10	250	10	10	10	10	x	x	I	149B 2623	
12	300	10	10	10	10	x	x	I	149B 2624	
14	350	10	10	10	10	x	x	I	149B 2625	
16	400	10	10	10	10	x	x	I	149B 2626	

- Connection : flanges drilled PN : see table
- Permissible operating pressure PFA - water- (for supply, distribution and disposal of water) : See table
- Maximum permissible pressure PS - other mediums : See table
- θ Mini. -10 °C
Maxi. 100 °C
- Mediums : Clear liquids, aggressive liquids
- Approvals : ACS - PED 97/23/CE
- International construction Standards :
CE Conformity Directive 97/23/CE
Flange drilling according to EN1092-2

Overall dimensions

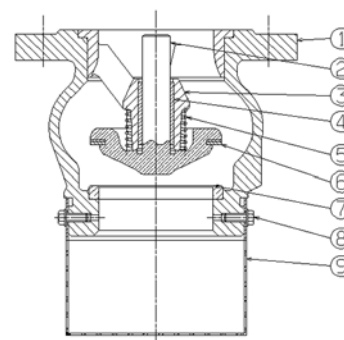
DN		B	C	D	Weight
"	mm	mm	mm	mm	kg
2	50	143	165	97	4,3
2 ^{1/2}	65	185	185	125	6,4
3	80	218	200	150	9,3
4	100	265	220	181	13,6
5	125	333	254	217	19
6	150	373	285	256	28
8	200	483	343	336	48
10	250	572	406	416	90
12	300	652	482	486	133
14	350	771	533	580	226
16	400	876	597	676	343



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Cast iron/Epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
2	CLOSING SYSTEM	Bronze	EN 1982 CuSn5Zn5Pb2-C GS	
3	GUIDE DN50	Bronze	EN 1982 CuSn5Zn5Pb2-C GS	
	Other DN	Cast iron/Epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
4	RING	Bronze	EN 1982 CuSn12-C GS	
5	SPRING	Stainless steel	EN 10270-3 X10CrNi18-8	AISI 302
6	SEAL	EPDM		
7	SEAT	Bronze	EN 1982 CuSn5Zn5Pb2-C GS	
8	SCREW	Galvanised steel		
9	STRAINER	Galvanised steel		



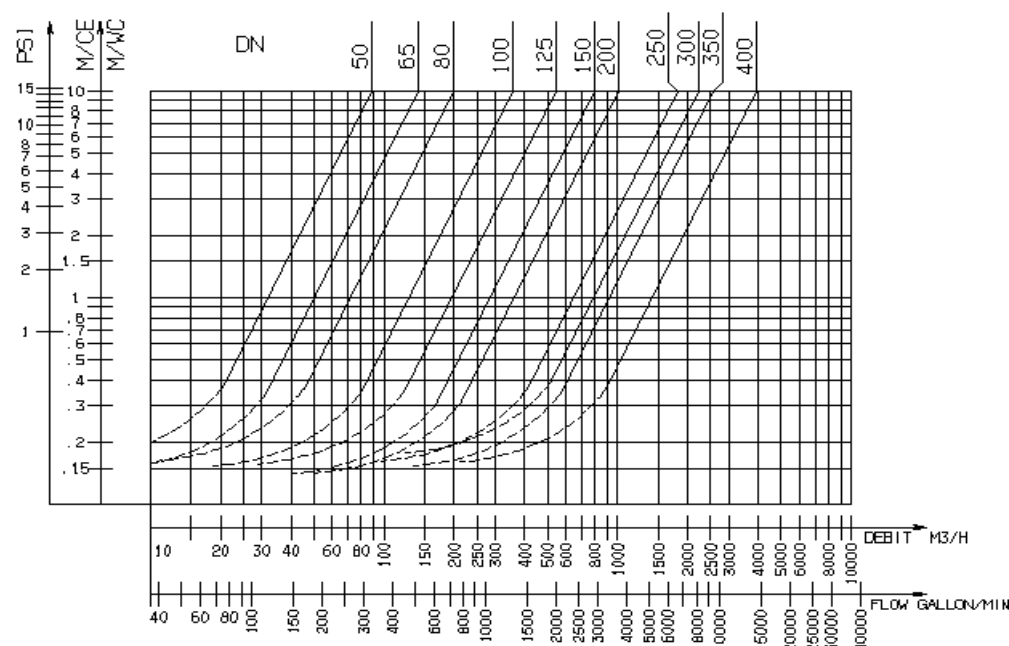
Working principle

DN		Opening pressure in mm/WC		Kv	ζ
"	mm	↑	Without spring		
2	50	230	110	89,00	1,23
2 1/2	65	240	130	143,00	1,36
3	80	280	130	199,00	1,60
4	100	290	130	356,00	1,20
5	125	350	150	557,00	1,20
6	150	400	170	801,00	1,20
8	200	450	190	1008,00	2,46
10	250	560	250	1818,00	1,85
12	300	760	365	2210,00	2,60
14	350	810	380	2560,00	3,60
16	400	900	450	3930,00	2,60

Directions for use :

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

ΔP



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