

Technical data sheet

Type 302

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

Technical description

DN "	mm	PN	PFA bar	PS - bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
2	50	10/16	16	16	16	x	x	3.3	149B 2754	
2 1/2	65	10/16	16	16	16	x	x	3.3	149B 2755	
3	80	10/16	16	16	16	x	x	3.3	149B 2756	
4	100	10/16	16	16	16	x	x	3.3	149B 2757	
5	125	10/16	10	10	10	x	x	3.3	149B 2701	
6	150	10/16	10	10	10	x	x	3.3	149B 2702	
8	200	10	10	10	10	x	x	3.3	149B 2703	
10	250	10	10	10	10	x	x	I	149B 2704	
12	300	10	10	10	10	x	x	I	149B 2705	
14	350	10	10	10	10	x	x	I	149B 2706	
16	400	10	10	10	10	x	x	I	149B 2707	
20	500	10	10	10	10	x	x	I	149B 23135	

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.

- **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

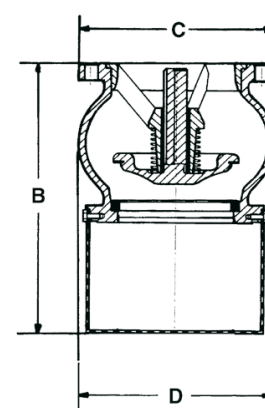
• **Mediums** : Clear liquids

• **Approvals** : ACS - PED 97/23/CE

- **International construction Standards** :
CE Conformity Directive 97/23/CE
Flange drilling according to EN1092-2

Overall dimensions

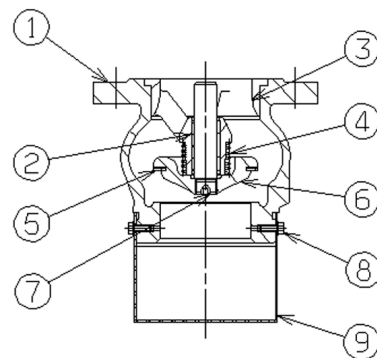
DN		B mm	C mm	D mm	Weight kg
"	mm				
2	50	143	165	97	4,3
2 1/2	65	185	185	125	6,4
3	80	218	200	150	9,3
4	100	265	220	181	13,6
5	125	333	254	217	19
6	150	373	285	256	28
8	200	483	343	336	48
10	250	572	406	416	90
12	300	652	482	486	133
14	350	771	533	580	226
16	400	876	597	676	343
20	500	1094	670	880	560



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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	RING	Bronze	EN 1982 CuSn12-C GS	
3	GUIDE DN50	Bronze	EN 1982 CuSn5Zn5Pb2-C GS	
4	Other DN	Cast iron/Epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
5	SPRING	Stainless steel	EN 10270-3 X10CrNi18-8	AISI 302
6	SEAL	EPDM		
6	CLOSING SYSTEM	Cast iron/Epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
7	DN50-65 : one-piece	Bronze	EN 1982 CuSn5Zn5Pb2-C GS	
8	STEM	Bronze	EN 1982 CuSn5Zn5Pb2-C GS	
8	SCREW DN50 to 150	Galvanised steel		
8	SCREW DN200 to 400	Brass		
9	STRAINER	Galvanised steel		

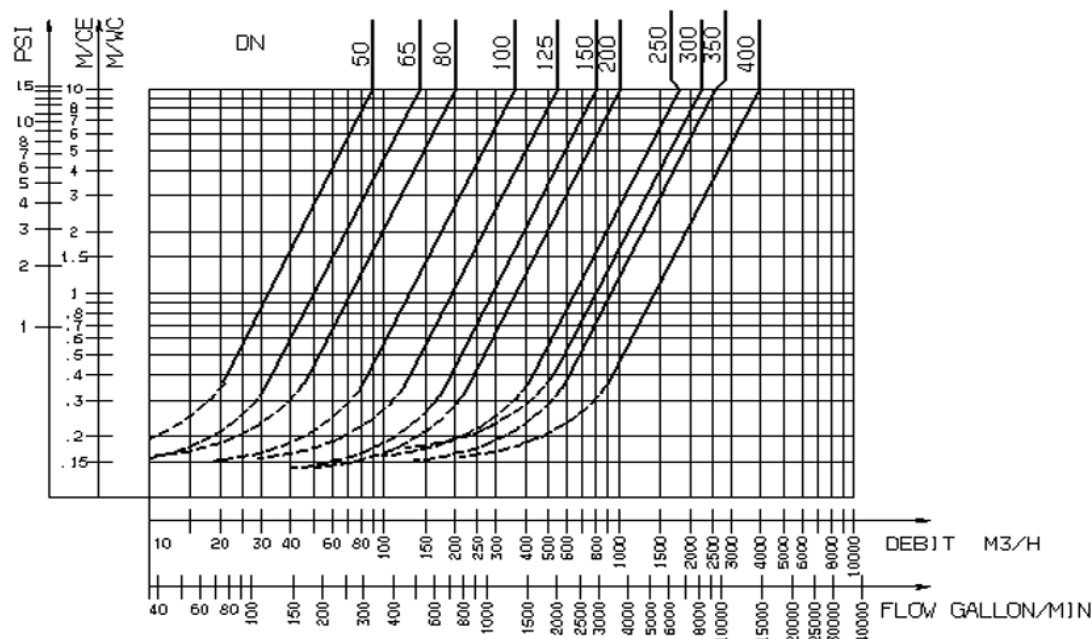


Working principle

DN	#	mm	Opening pressure in mm/CE		Kv	ζ
			↑	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
20		500			6914,00	2,05

Directions for use :

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



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