

Technical data sheet

Type 302V

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 FKM flat seal
- Return spring

Technical description

Important notice :

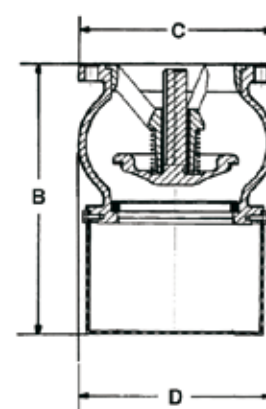
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

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	149B14677
2 ^{1/2}	65	10/16	16	16	16	x	x	3.3	149B14496
3	80	10/16	16	16	16	x	x	3.3	149B14678
4	100	10/16	16	16	16	x	x	3.3	149B14879
5	125	10	10	10	10	x	x	3.3	Special
6	150	10	10	10	10	x	x	3.3	Special
8	200	10	10	10	10	x	x	3.3	Special
10	250	10	10	10	10	x	x	I	Special

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

Overall dimensions

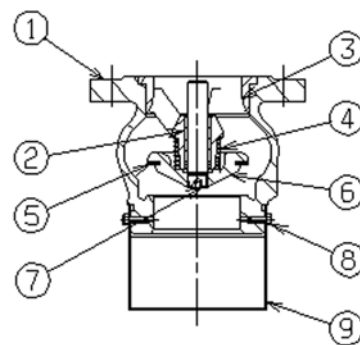
DN		B	C	D	Weight
"	mm	mm	mm	mm	kg
2	50	143	165	97	4,3
2 ^{1/2}	65	185	185	125	6,4
3	80	218	200	150	9,3
4	100	265	220	181	13,6
5	125	333	254	217	19
6	150	373	285	256	28
8	200	483	343	336	48
10	250	572	406	416	90



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
2	RING	Bronze	CuSn12-C	
3	GUIDE DN50	Bronze	CuSn5Zn5Pb5-C	ASTM B 505
	Other DN	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
4	SPRING	Stainless steel	X10CrNi18-8	AISI 302
5	SEAL	FKM		
6	CLOSING SYSTEM	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
	DN50-65 : one-piece	Bronze	CuSn5Zn5Pb5-C	ASTM B 505
7	STEM	Bronze	CuSn5Zn5Pb5-C	ASTM B 505
8	SCREW DN 50 to 150	Galvanised steel		
	DN 200 to 400	Brass		
9	STRAINER	Galvanised steel		

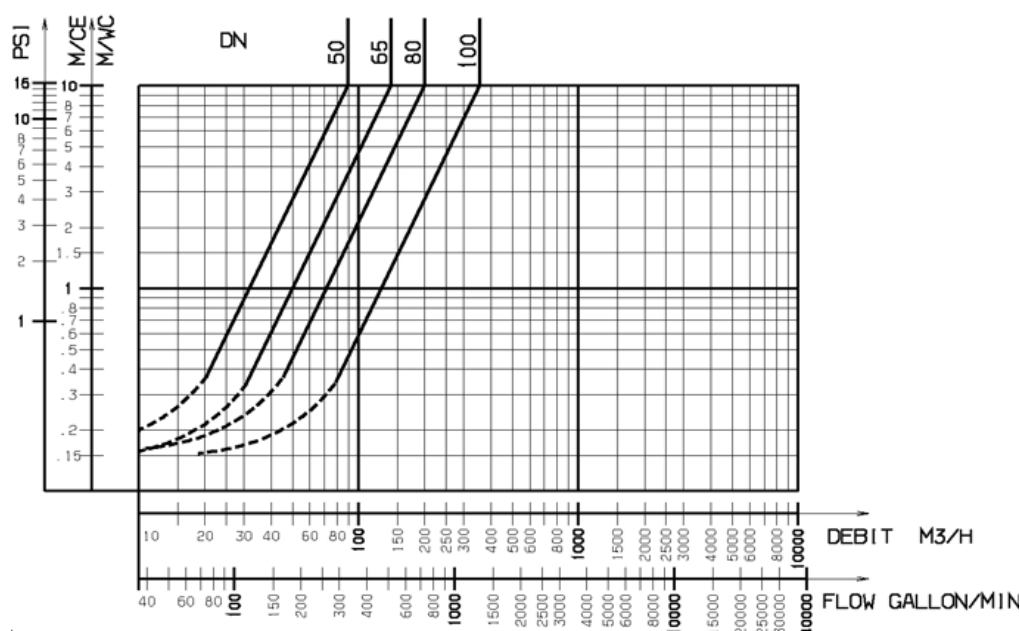


Working principle

DN		Opening pressure in mm/WC		Kv	ζ
#	mm	↑	Without spring	m ³ /H	
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

Directions for use :

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



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