

Technical data sheet

Type 317

Foot valve
System MI

Applications and special features



- Operates in any position
- Low head loss
- Does not generate hammering
- Closing system : EPDM tubular membrane collapsing towards the center of strainer at the intake
- Sealing guaranteed by the flexible membrane against the machined internal part of the casing
- On membrane check valves, the opening regulated by the elasticity and the thickness of the membrane is very progressive and can be obtained as a result of a few centimeters of W/C. Because of this, this check valve is particularly suitable for variable flow pumps and pulsating operation.
- Flexible or semi-flexible connection.

Technical description

DN mm	PFA in bar	PS in bar				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
30	6	6	6	x	x	3.3	149B 2535	
40	6	6	6	x	x	3.3	149B 2537	
50	6	6	6	x	x	3.3	149B 2539	
60	6	6	6	x	x	3.3	149B 2541	
70	6	6	6	x	x	3.3	149B 2543	
80	6	6	6	x	x	3.3	149B 2544	
90	6	6	6	x	x	3.3	149B 2546	
98	6	6	6	x	x	3.3	149B 2547	
108	6	6	6	x	x	3.3	149B 2548	
138	6	6	6	x	x	3.3	149B 2550	
180	6	6	6	x	x	3.3	149B 2551	
230	6	6	6	x	x	3.3	149F 013316	
276	6	6	6	x	x	3.3	149B 2553	
Type with draining system								
180	6	6	6	x	x	3.3	149B 2551D	
230	6	6	6	x	x	3.3	149B 2552D	
276	6	6	6	x	x	3.3	149B 2553D	

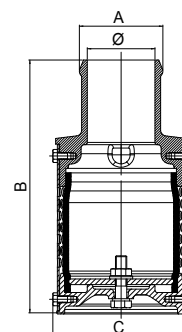
Important notice :

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 :** Nipple DN 40 to 300mm
- **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. 60 °C
- **Mediums :** Clear liquids
- **Approvals :** ACS
- **International construction Standards :** 97/23/CE Directive

Overall dimensions

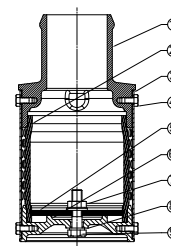
Diam. passage	DN	A	B	C	Weight
mm	mm	mm	mm	mm	kg
40	30	43	172	92	1,78
50	40	54	182	92	1,88
60	50	64	192	92	1,94
70	60	74	224	121	3,44
80	70	84	251	137	4,40
90	80	94	280	150	5,33
100	90	104	290	150	5,47
110	98	114	324	165	7,50
120	108	124	334	165	7,51
150	136	154	405	205	13,18
200	180	206	482	276	29,00
250	230	258	561	336	42,00
300	276	308	656	401	62,50



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Spare parts list and materials

N°	Description	Materials	EURO	ANSI
1	CASING	Cast iron + epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
2	MEMBRANE	EPDM		
3	STRAINER	Galvanised steel		
4	SCREW AND NUTS	Galvanised steel		
5	WASHER	Galvanised steel		
6	BOTTOM DISC	Cast iron + epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
7	NUT	Galvanised steel		
8	SEAL	Cuivre		
9	SCREW	Galvanised steel		



Working principle

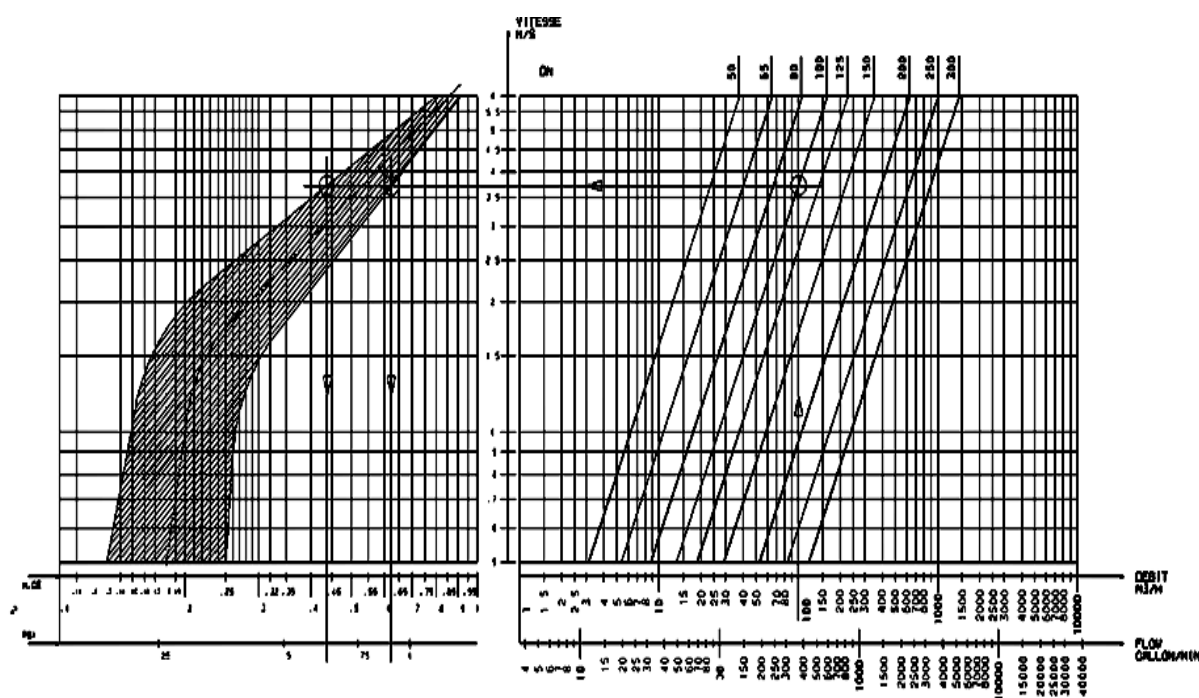
DN		Kv	ζ
"	mm	m ³ /H	
40	30	72,00	0,77
50	40	113,00	0,77
60	50	191,00	0,77
70	60	221,00	0,77
80	70	289,00	0,77
90	80	366,00	0,77
100	90	451,00	0,77
110	98	705,00	0,77
120	108	705,00	0,77
150	138	1015,00	0,77
200	180	1805,00	0,77
250	230	2820,00	0,77
300	276	4061,00	0,77

Direction for use :

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

Calculation example :

Check valve DN100 : flow 100 m³/H
Head loss between 0,44 and 0,62 m.CE



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