

Technical data sheet

Type 327

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 pulsatory operation.

Technical description

DN "	mm	PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
2	50	10/16	6	6	6	x	x	3.3	149B 2555	
2 1/2	65	10/16	6	6	6	x	x	3.3	149B 2556	
3	80	10/16	6	6	6	x	x	3.3	149B 2558	
4	100	10/16	6	6	6	x	x	3.3	149B 2560	
5	125	10/16	6	6	6	x	x	3.3	149B 2561	
6	150	10/16	6	6	6	x	x	3.3	149B 2562	
8	200	10	6	6	6	x	x	3.3	149B 2564	
10	250	10	6	6	6	x	x	3.3	149B 2565	
12	300	10	6	6	6	x	x	3.3	149B 2566	
Type with draining system										
8	200	10	6	6	6	x	x	3.3	149B 2564D	
10	250	10	6	6	6	x	x	3.3	149B 2565D	
For DN65 to 150 : see draining kit										

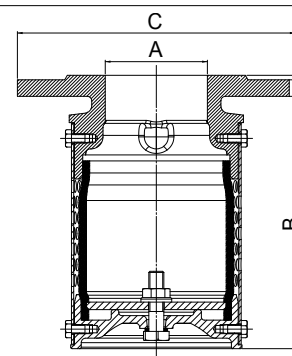
Important notice :

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 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, dirty and sandy liquids
- **Approvals** : ACS
- **International construction Standards** :
Directive 97/23/CE
Flange drilling according to EN1092-2

Overall dimensions

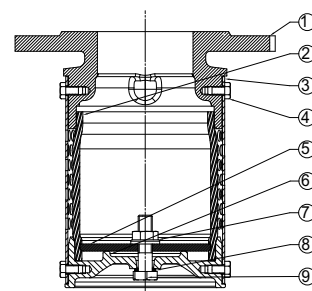
DN		B	C	Weight
"	mm			
2555	50	151	165	3,15
2556	65	182	185	4,96
2558	80	205	200	6,22
2560	100	228	220	7,58
2561	125	258	250	10,37
2562	150	303	285	16,02
8	200	385	340	32,5
10	250	441	395	47,00
12	300	506	445	64,00



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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		

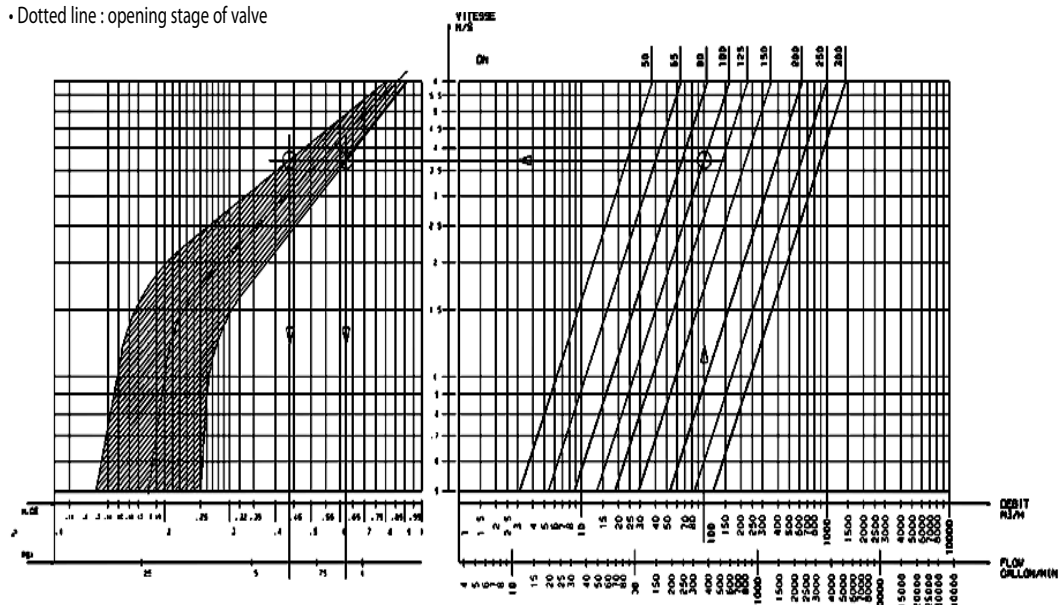


Working principle

DN		Opening pressure in mm/WC	Kv	ζ
"	mm			
2	50	Near 0	113,00	0,77
2 ^{1/2}	65		191,00	0,77
3	80		221,00	0,77
4	100		289,00	0,77
5	125		366,00	0,77
6	150		451,00	0,77
8	200		705,00	0,77
10	250		1015,00	0,77
12	300		1205,00	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
Headloss between 0,44 and 0,62 m.CE

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