

## Technical data sheet

### Type 337

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	PFA in bar	PS in bar				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
2	50	6	6	x	x	3.3	149B 2572	
2 <sup>1/2</sup>	65	6	6	x	x	3.3	149B 2574	
3	80	6	6	x	x	3.3	149B 2575	
4	100	6	6	x	x	3.3	149B 2577	

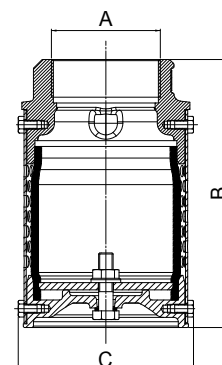
#### Important notice :

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** : Female (BSP).
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **Maximum permissible pressure PS - other mediums**: See table
- **θ** Mini. 0 °C  
Maxi. 60 °C
- **Mediums** : Clear liquids, dirty and sandy liquids
- **Approvals** : ACS
- **Normes construction internationales** :  
Directive 97/23/CE  
Thread connection NF E 03-005 ISO 228

#### Overall dimensions

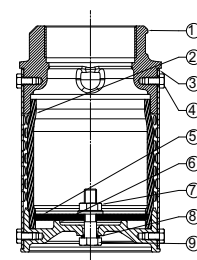
A		B	C	Weight
"	mm	mm	mm	kg
2	50	153	92	1,88
2 <sup>1/2</sup>	65	185	121	3,41
3	80	205	137	4,38
4	100	230	150	5,65



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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

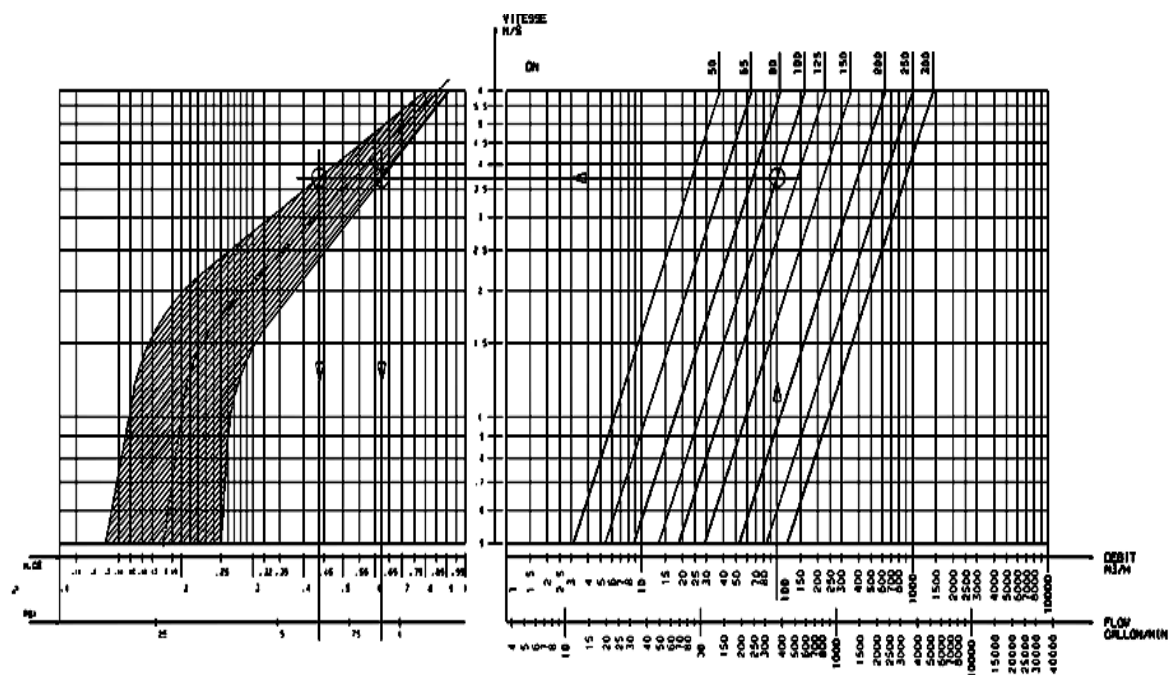
DN		Opening pressure in mm/WC	Kv	$\zeta$
"	mm			
2	50	Near 0	113,00	0,77
2 <sup>1/2</sup>	65		191,00	0,77
3	80		221,00	0,77
4	100		289,00	0,77

#### Direction for use :

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

#### Calculation example :

Check valve DN100 : flow 100 m<sup>3</sup>/H  
Headloss between 0,44 and 0,62 m.CE



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