

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 ^{1/2}	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	

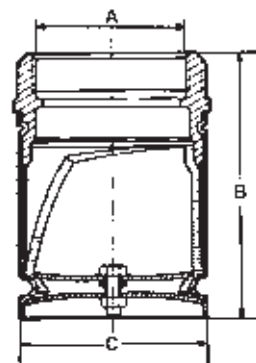
Important notice :

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. The operating instructions are available on our web site www.danfoss-socla.com or by requesting from our sales department.

- **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
- **T° :** Mini. 0 °C
Maxi. 60 °C
- **Mediums :** Clear liquids, dirty and sandy liquids
- **Approvals :** ACS (France)
- **Normes construction internationales :**
Directive 97/23/CE
Thread connection NF E 03-005 ISO 228

Overall dimensions

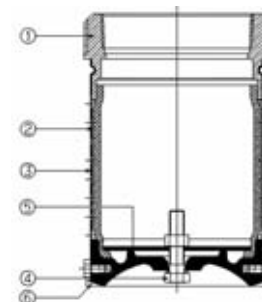
	A	B	C	Weight
“	mm	mm	mm	kg
2	50	160	86	1,5
2 ^{1/2}	65	190	116	2,7
3	80	206	131	3,1
4	100	231	144	4,2



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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	MEMBRANE	EPDM		
3	STRAINER	Galvanised steel		
4	SCREW AND NUTS	Galvanised steel		
5	NUT	Galvanised steel		
6	PLATE	Galvanised steel		

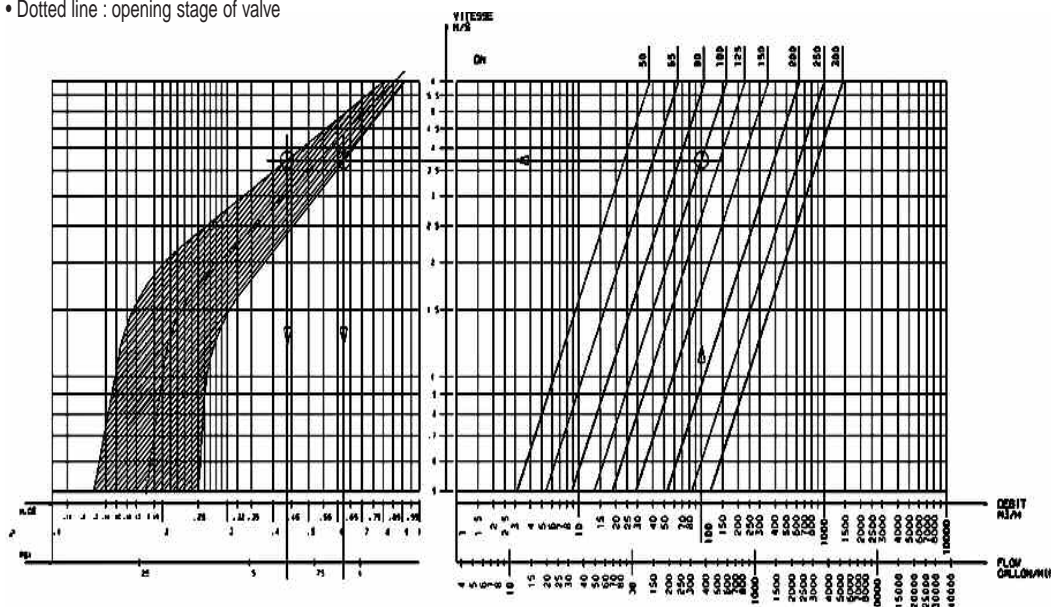


Working principle

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

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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