

# 337

Membrane foot valve

M system

## Technical Data Sheet



## Description

On membrane foot valves, the opening set 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 foot valve is particularly suitable for variable flow pumps and pulsatory operation.

- Operates in any position
- Low head loss
- Does not generate hammering
- Closing system: EPDM tubular membrane deforming towards the suction strainer
- Sealing ensured by the flexible membrane against the cylindrical seat of the body



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DN	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
		L1	L2	G1	G2			
2	50	6	6	x	x	4.3	<b>149B2572</b>	1,88
2 1/2	65	6	6	x	x	4.3	<b>149B2574</b>	3,41
3	80	6	6	x	x	4.3	<b>149B2575</b>	4,38
4	100	6	6	x	x	4.3	<b>149B2577</b>	5,65

#### Important notice :

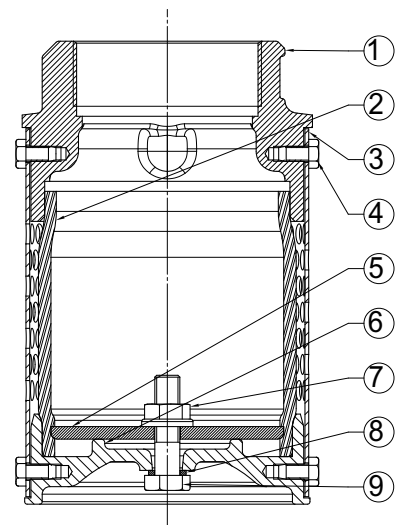
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our website [www.socla.com](http://www.socla.com) or by requesting from our sales department.

#### Technical features

Operating temperature	0 °C to 60 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Female, (BSP and NPT)
Mediums	Clear liquids, slightly loaded liquids (sand)

#### Nomenclature and materials

N°	Description	Materials	EURO	ANSI
1	Body	Cast iron / Epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
2	Sleeve	EPDM		
3	Suction strainer	Galvanised steel		
4	Screw and bolt	Galvanised steel		
5	Washer	Galvanised steel		
6	Base	Cast iron / Epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
7	Nut	Galvanised steel		
8	Seal	Copper		
9	Screw	Galvanised steel		



# Approvals

## ACS

**International construction Standards :**  
 CE conformity Directive 2014/68/UE  
 Thread connection NFE 03-005 ISO228

## Application

Limited operating pressure, irrigation.

## Operation

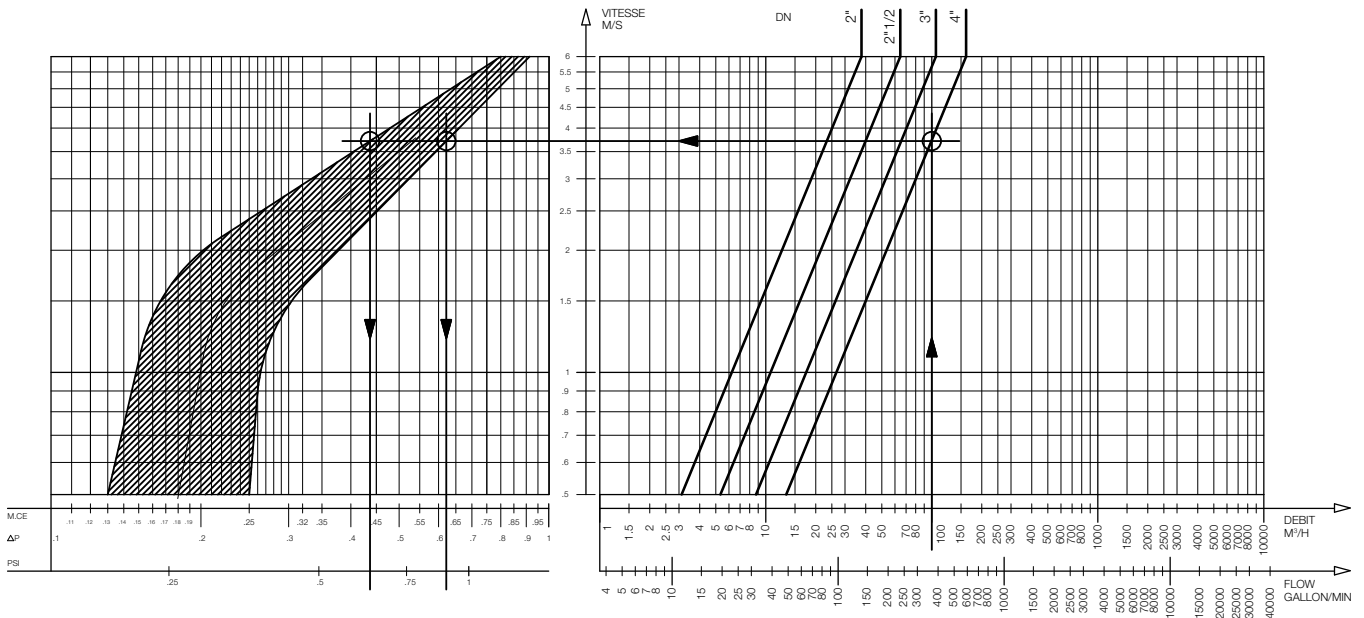
DN		Opening pressure in mm/CE	Kv	ζ
"	mm		m <sup>3</sup> /H	
2	50	Near to 0	113,00	0,77
2 1/2	65		191,00	0,77
3	80		221,00	0,77
4	100		289,00	0,77

**Direction for use :**

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

**Calculation example :**

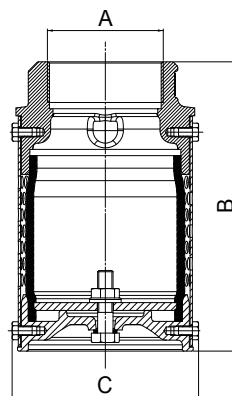
Check valve DN100 : flow 100 m<sup>3</sup>/H  
 Head loss between 0,44 and 0,62 m.CE



337 - Headloss chart

## Sizing

A		B	C
"	mm	mm	mm
2	50/60	153	92
2 1/2	66/76	185	121
3	80/90	205	137
4	102/104	230	150



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