457

Membrane non-return valve M system

Technical Data Sheet







Description

This valve is designed for installations that generate significant water hammer. It is very reliable and quiet (no mechanical moving parts, anti-incrustation closing system and seat). Ideal for booster pumps, sprinkler systems, motor or electric pump units and compressed air circuits. Alternating operation. On membrane check 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 check valve is particularly suitable for variable flow pumps and pulsatory operation.

- Operates in any position
- Does not generate hammering
- Sealing ensured by membrane's self-closing

• Closing system: flexible membrane (thick elastomer disc) held in its center on a metal seat composed of a grid (flow equivalent to the nominal section)



457

Membrane non-return valve - M system

DN		PN	PFA	PS in bar				Cat.	Ref.	Weight
"	mm	1 14	in bar	L1	L2	G1	G2	Oat.	11011	Kg
2 1/2	65	10/16	16	16	16	15	16	I	149B2925	11,9
3	80	10/16	16	16	16	12	16	I	149B2926	16,5
4	100	10/16	16	16	16	10	16	1	149B2927	26,3
5	125	10/16	16	16	16	0,5	16	1	149B2928	33,2
6	150	10/16	16	13	16	0,5	16	I	149B2929	49,8
8	200	10	10	10	10	0,5	10	I	149B2930	87,3

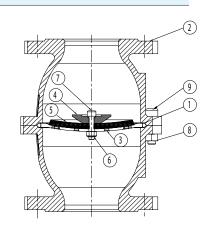
Important notice:

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 or by requesting from our sales department.

Technical features	
Operating temperature	-10 °C to 60 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Flanges drilled PN (see table)
Mediums	Water, clear liquids

Nomenclature and materials

N°	Description		Materials
1	O-ring		EPDM
2	Body		Cast iron / Epoxy GJL-250
3	Seat	DN 40-200 mm	Stainless steel
4	Cupel	DN 65 mm	Stainless steel 430
4		DN 80-200 mm	Brass CW617N-DW
5	Membrane		EPDM
6	Nut		Stainless steel 304
7	Screw		Stainless steel 304
8	Nut		Galvanised steel
9	Screw		Stainless steel 304





Approvals

C E PED 2014/68/UE **ACS**

International construction Standards:

CE conformity Directive 97/23/UE Flange drilling according to EN1092-2 Length according to EN558-1 48 serie

Application

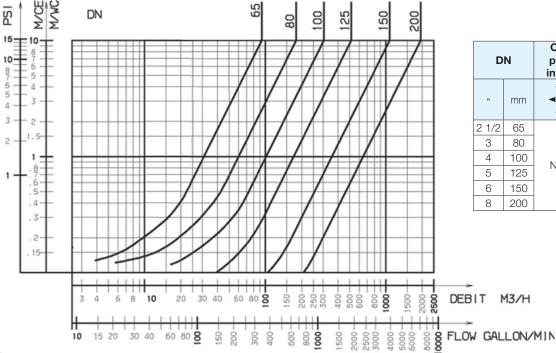
water network. variable flow

Operation

Direction for use:

• Solid line: Valve completely open

ΔP



		× • ×
2 1/2	65	
3	80	
4	100	Near to 0
5	125	Near to 0
6	150	
8	200	
IT N	47 /LI	

DN

Opening

pressure

in mm/CE

Κv

m³/H

78,4

157,0

255,0

448,9

ζ

4,55

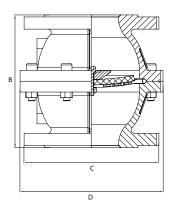
2,60 2,40

1,90 966,4 0,85 2044,8 0,60

457 - Headloss chart

Sizing

D	N	В	С	D
,,	mm	mm	mm	mm
2 1/2	65	240	185	169
3	80	260	200	212
4	100	300	220	234
5	125	350	250	250
6	150	400	285	324
8	200	500	340	426



457

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

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