

Technical data sheet

Type 447RR

Non-return valve
System M

Applications and special features



- Operates in any position,
- Low head loss,
- Does not generate hammering, very silent,
- Closing system : flexible membrane (thick elastomer disc) held in its center on a metal seat consisting of a grid (flow equivalent to the nominal section)
- Sealing ensured by self-closing membrane
- 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.
- Inside and outside polyamid coating

Technical description

Important notice :

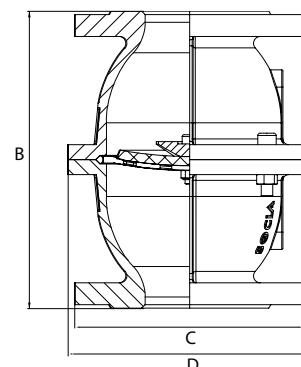
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

DN	PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
			L1	L2	G1	G2			
2 1/2	65	10/16	16	16	15	16	I	149B 2842RR	
3	80	10/16	16	16	12	16	I	149B 2843RR	
4	100	10/16	16	16	10	16	I	149B 2844RR	
5	125	10/16	16	16	0,5	16	I	149B 2845RR	
6	150	10/16	16	13	0,5	16	I	149B 2846RR	
8	200	10	10	10	0,5	10	I	149B 2847RR	

- **Connection** : flanges drilled PN : see table
- **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
- **Agréments** : PED 97/23/CE
- **Normes construction internationales** :
CE Conformity Directive 97/23/CE
Flange drilling according to EN1092-2
Lenght according to EN 558-1 serie 48

Overall dimensions

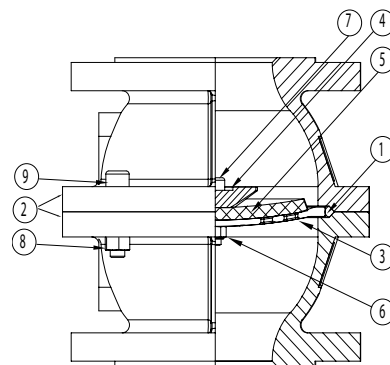
DN		B	C	D	Weight
"	mm	mm	mm	mm	kg
2 1/2	65	240	185	170	15
3	80	260	200	212	24
4	100	300	220	234	28
5	125	350	250	250	34
6	150	400	285	324	58
8	200	500	340	426	91



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	SEAL	EPDM		
2	CASING	Polyamid coated cast iron	EN-GJL-250	ASTM A 48 35 B
3	SEAT DN 40 - 80 DN 100 - 200	Stainless steel Polyamid coated steel		
4	CUPEL DN 65 DN 80 to 200	Stainless steel	X6Cr17	AISI 430
		Brass	CuZn39Pb3	
5	MEMBRANE	NR		
6	BOLT	Stainless steel	X5Cr-Ni18-10	AISI 304
7	SCREW	Stainless steel	X5Cr-Ni18-10	AISI 304
8	BOLT	Galvanised steel		
9	SCREW	Stainless steel	X5Cr-Ni18-10	AISI 304

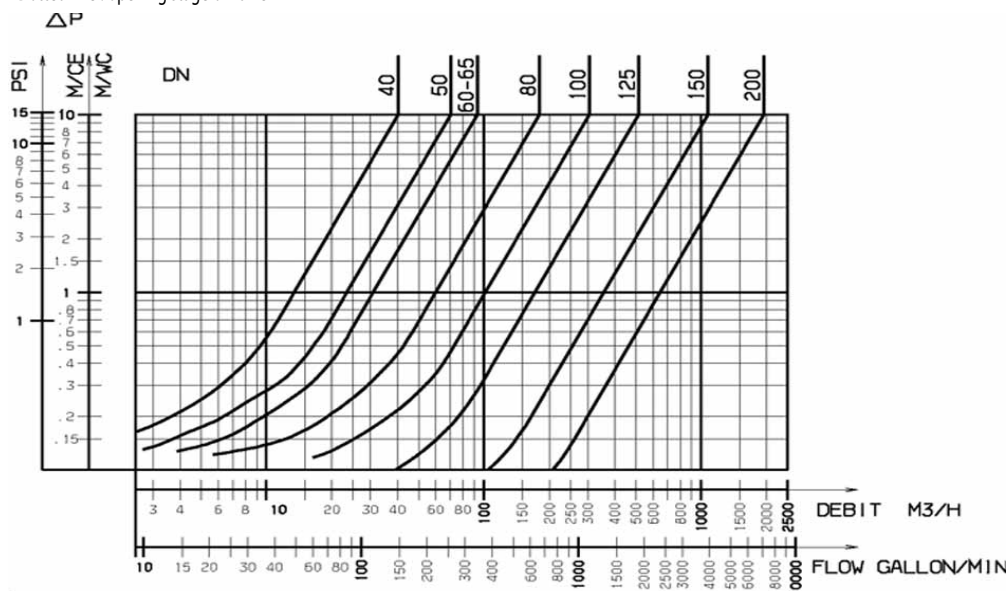


Working principle

DN		Opening pressure in mm/WC	Kv	ζ
"	mm		m³/H	
2 1/2	65	Near 0	93,30	3,21
3	80		180,00	1,98
4	100		305,50	1,68
5	125		515,00	1,44
6	150		1072,00	0,70
8	200		1940,00	0,60

Direction for use :

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



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