

Technical data sheet

Type 407RR

Non return valve
System M

Applications and special features



- Operates in any position,
- Low head loss,
- Does not generate hammering,
- 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

DN "	DN mm	PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
1 ^{1/2}	40	10/16	16	16	16	16	16	I	149B 1720	
2	50	10/16	16	16	16	16	16	I	149B 1721	
2 ^{1/2}	65	10/16	16	16	16	15	16	I	149B 1533	
3	80	10/16	16	16	16	12	16	I	149B 1722	
4	100	10/16	16	16	16	10	16	I	149B 1723	
5	125	10/16	16	16	16	0,5	16	I	149B 1977	
6	150	10/16	16	13	16	0,5	16	I	149B 1972	
8	200	10	10	10	10	0,5	10	I	149B 15127	

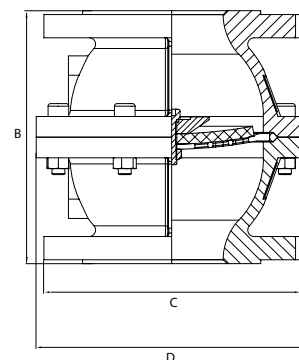
Important notice :

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** : 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. -20 °C
Maxi. 100 °C
- **Mediums** : Clear liquids
- **Approvals** : PED 97/23/CE
- **International construction Standards** :
CE Conformity Directive 97/23/CE
Flange drilling according to EN1092-2

Overall dimensions

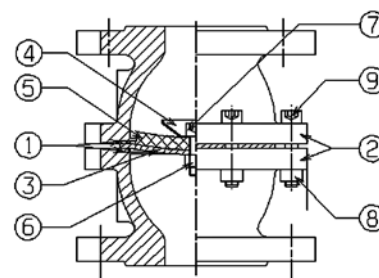
DN "	DN mm	B mm	C mm	D mm	Weight kg
2	50	160	165	150	9,1
2 ^{1/2}	65	176	185	170	10,8
3	80	198	200	212	16
4	100	213	220	234	25
5	125	227	250	250	30
6	150	266	285	324	44
8	200	445	340	426	75



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	SEAL	EPDM		
2	CASING	Cast iron epoxy coated	EN-GJL-250	ASTM A 48 35 B
3	SEAT DN 40 - 80 DN 100 - 200	Stainless steel Polyamid coated steel		
4	CUPEL DN 40 to 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

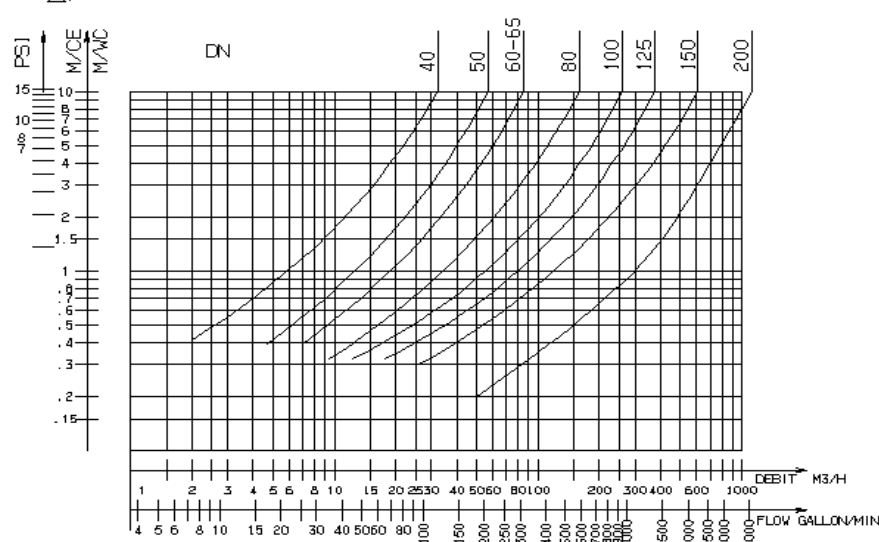


Working principle

DN		Opening pressure in mm/CE	Kv	ζ
"	mm			
1 1/2	40	Near 0	40,30	2,50
2	50		70,50	1,97
2 1/2	65		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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