

## Technical data sheet

### Type 417

Non return-valve  
System M

#### Applications and special features



- Operates in any position,
- Low head loss
- Very silent
- 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 minimal 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.

#### Technical description

DN	"	mm	PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
					L1	L2	G1	G2			
1 1/2	40	25/40	25	25	25	25	25	25	I	149B 2054	
2	50	25/40	25	25	25	20	25	25	I	149B 2055	
2 1/2	65	25/40	25	25	25	15	25	25	I	149B 2056	
3	80	25/40	25	25	25	12	25	25	I	149B 2058	
4	100	25/40	25	20	25	10	25	25	I	149B 2060	
5	125	25/40	25	16	25	0,5	25	25	I	149B 2061	
6	150	25/40	25	13	25	0,5	23	25	I	149B 2062	

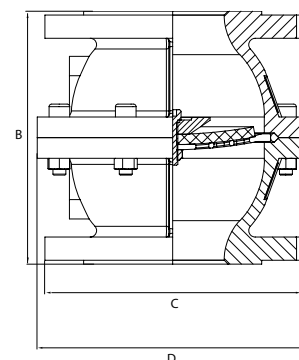
#### Important notice :

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. -10 °C  
Maxi. 60 °C
- **Mediums** : Clear liquids, gas
- **Approvals** : ACS PED 97/23/CE
- **International construction Standards** :  
CE Conformity Directive 97/23/CE  
Flange drilling according to EN1092-2

#### Overall dimensions

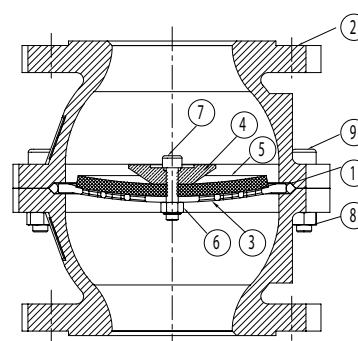
DN		B	C	D	Weight
"	mm	mm	mm	mm	kg
1 1/2	40	148	150	140	7,2
2	50	158	165	160	9,1
2 1/2	65	176	185	170	10,8
3	80	196	200	212	16
4	100	331	235	245	25
5	125	329	270	274	30
6	150	395	300	341	44




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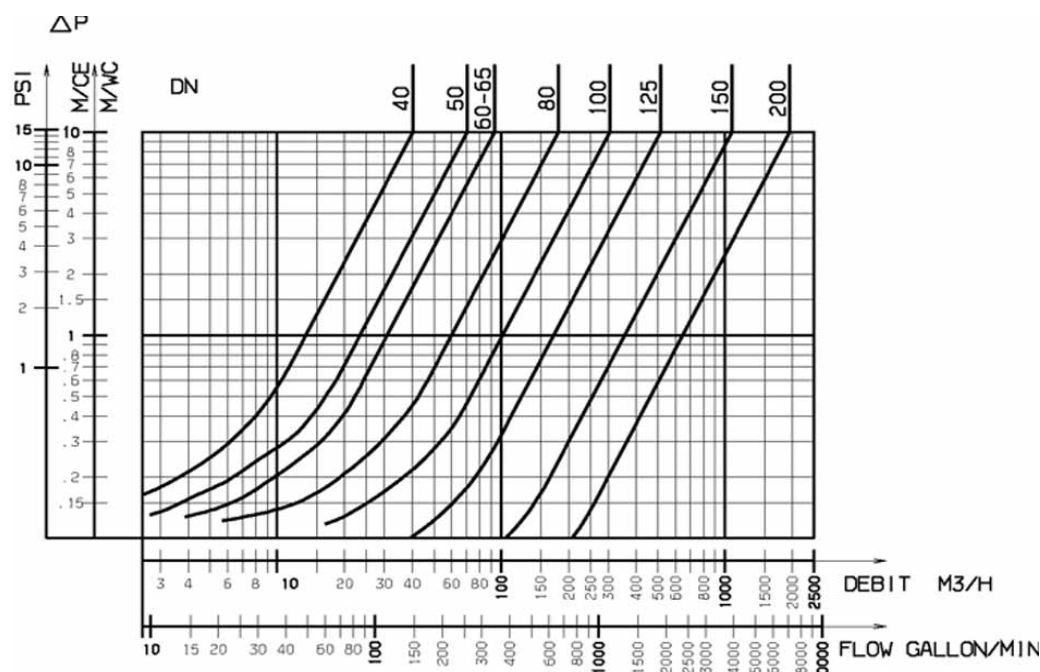
### Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	O-RING	EPDM		
2	CASING	Cast iron + epoxy	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 Brass	X6Cr17 CuZn39Pb3	AISI 430
5	MEMBRANE	EPDM		
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	
1 1/2	40	Near 0	25,5	6,1
2	50		43,5	5,2
2 1/2	65		55,4	9,1
3	80		111,1	5,2
4	100		181,0	4,8
5	125		317,0	3,8
6	150		683,0	1,7



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