

## Technical data sheet

### Type 212

#### Non return valve

#### System 02

#### Applications and special features



- Operates in any position
- Minimum head loss
- Silent, reliable sealing, compact
- Exceptional robustness
- Does not generate hammering
- Closing system : long back axial guiding for reduced displacement
- Sealing guaranteed by a flat seal
- Return spring

#### Technical description

10DN	PFA	PS in bar				Cat.	References	Vvs-nr
		in bar	L1	L2	G1			
2 1/2	65	16	16	16	15	16	I 149B2454	
3	80	16	16	16	12	16	I 149B2455	
4	100	16	16	16	10	16	I 149B2456	
5	125	16	16	16	0,5	16	I 149B2257	
6	150	16	13	16	0,5	16	I 149B2258	
8	200	16	10	16	0,5	16	I 149B2259	

#### 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** : Male/female (BSP)
- **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. 100 °C

• **Mediums** : clear liquids

• **Approvals** : ACS - PED 97/23/CE

#### International construction Standards :

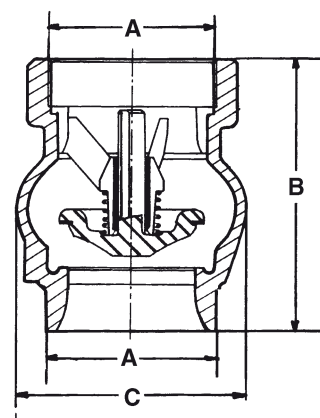
CE Conformity Directive 97/23/CE

Thread connection EN ISO228-1

Overall dimensions adapted to submersible pumps

#### Overall dimensions

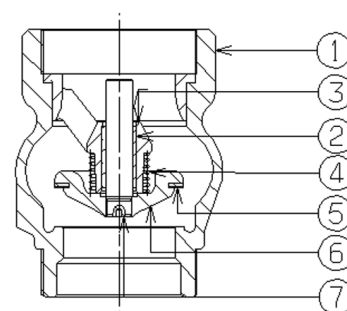
A		B		C		Weight
"	mm	mm	mm	mm	mm	kg
2 1/2	65	139	97			2,7
3	80	165	125			5,3
4	100	195	150			8,7
5	125	230	188			14,0
6	150	275	223			21,2
8	200	333	266			41,8



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### Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Cast iron/Epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
2	RING	Bronze	EN 1982 CuSn12-C GS	
3	GUIDE DN 2 <sup>1/2</sup>	Bronze	EN 1982 CuSn5Zn5Pb2-C GS	ASTM B 505
	Other DN	Cast iron/Epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
4	SPRING	Stainless steel	EN 10270-3 X10CrNi18-8	AISI 302
5	SEAL	EPDM		
6	CLOSING SYSTEM 4" - 8"	Cast iron/Epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
	Other DN : one-piece	Bronze	EN 1982 CuSn5Zn5Pb2-C GS	
7	STEM 4" to 8"	Bronze	EN 1982 CuSn5Zn5Pb2-C GS	



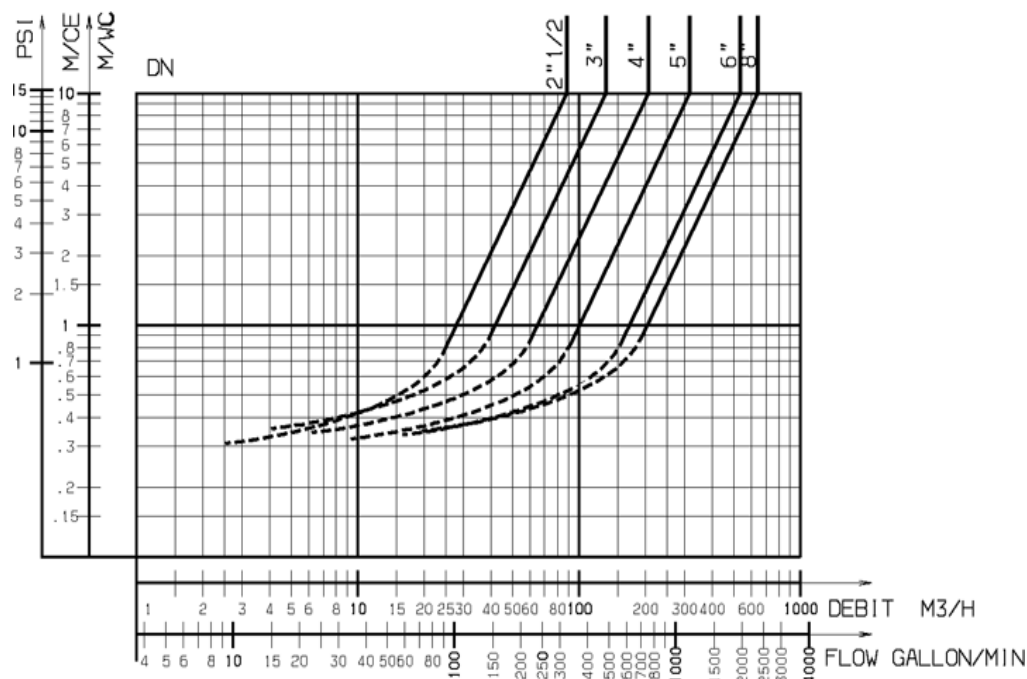
### Working principle

DN		Opening pressure in mm/CE				Kv	ζ
"	mm	↑	↓	↔	Without spring	m³/H	
2 <sup>1/2</sup>	65	440	220	330	110	88,00	3,60
3	80	450	190	320	130	132,00	3,70
4	100	150	190	320	130	205,00	3,70
5	125	500	240	370	130	316,00	3,80
6	150	510	210	360	150	533,00	2,80
8	200	550	210	380	170	640,00	6,10

#### Directions for use :

- Solid line : Valve completely open
- Dotted line : Opening stage of the valve

ΔP



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### Socla SAS

365 rue du lieutenant Putier  
71530 VIREY LE GRAND  
Postal address : BP 10273  
71107 CHALON SUR SAONE Cedex

Tel : 33 3 85 97 42 52  
Fax : 33 3 85 97 97 42  
<http://www.socla.com>  
e-mail: [commer@socla.com](mailto:commer@socla.com)