

# Technical data sheet

## Type 290P

### Non-return valve

### System TJO

#### Applications and special features




- Operation in any position
- Reliable, robust, simple
- Minimum head loss
- Closing system : tripod formation with hydraulic profile with release spring
- Sealing ensured by a pliable O-ring on a rigid seat
- Long axial guiding
- FKM seal

#### Technical description

DN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
3/8	12	10	10	10	10	3.3	149B 1129	
1/2	15	10	10	10	10	3.3	149B 14066	
3/4	20	10	10	10	10	3.3	149B 1502	

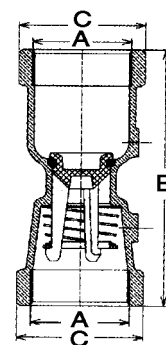
#### Important notice :

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** : Female/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. 80 °C
- **Mediums** : Clear liquids, gas
- **Approvals** : 
- **International construction Standards** :  
Directive 97/23/CE  
Thread connection NF E 03-005 ISO 228

#### Overall dimensions

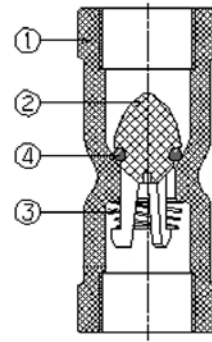
	A	B	C	Weight
"	mm	mm	mm	kg
3/8	12/17	54	23	0,018
1/2	15/21	66	28	0,030
3/4	20/27	80	34	0,043



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### Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	PP (polypropylene)		
2	CLOSING SYSTEM	PP (polypropylene)		
3	SPRING	Stainless steel	X10CrNi18-8	AISI 302
4	SEAL	FKM		



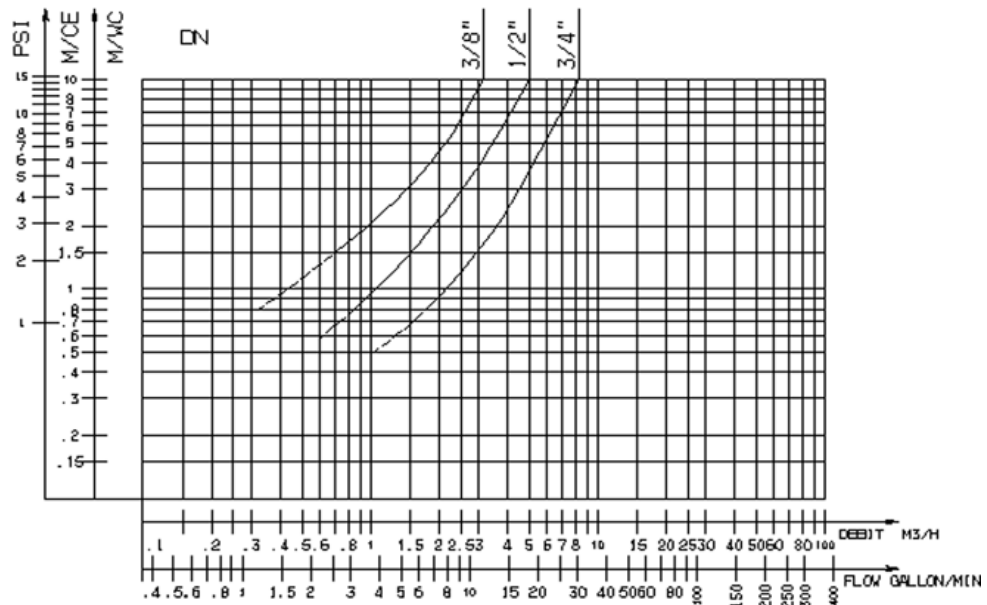
### Working principle

DN		Opening pressure in mm/WC	Kv	ζ
"	mm			
			m <sup>3</sup> /H	
3/8	12	Between 100 and 250	3,13	1,6
1/2	15		5,00	3,1
3/4	20		8,23	3,7

#### Direction for use :

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

$\Delta P$



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