

## Technical data sheet

### Type 297D

#### 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
- O-ring seal FKM

#### Technical description

DN	"	mm	PFA in bar	PS in bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
3/8	12	10	10	10	10	10	10	3.3	149B 3359	
1/2	15	10	10	10	10	10	10	3.3	149B 3360	
3/4	20	10	10	10	10	10	10	3.3	149B 3361	
1	25	10	10	10	10	10	10	3.3	149B 3362	

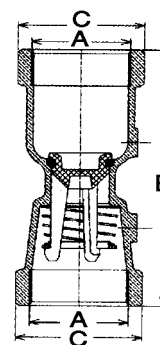
#### Important notice :

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** : Hydrocarbons, clear liquids, gas
- **Approvals** : 
- **Normes construction internationales** :  
Directive 97/23/CE  
Thread connection NF E 03-005 ISO 228

#### Overall dimensions

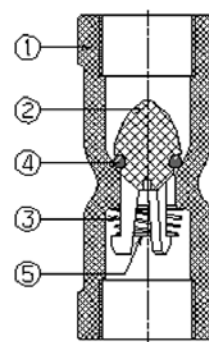
A		B	C	Weight
"	mm	mm	mm	kg
3/8	12/17	54	23	0,018
1/2	15/21	66	28	0,030
3/4	20/27	80	34	0,043
1	26/34	100	44	0,075



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### Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	POM (polyacetal)		
2	CLOSING SYSTEM DN 3/8"-1/2"	PA (polyamid)		
	DN 3/4"-1"	POM (polyacetal)		
3	SPRING	Stainless steel	X10CrNi18-8	AISI 302
4	SEAL	FKM		
5	RING (from 1")	POM (polyacetal)		

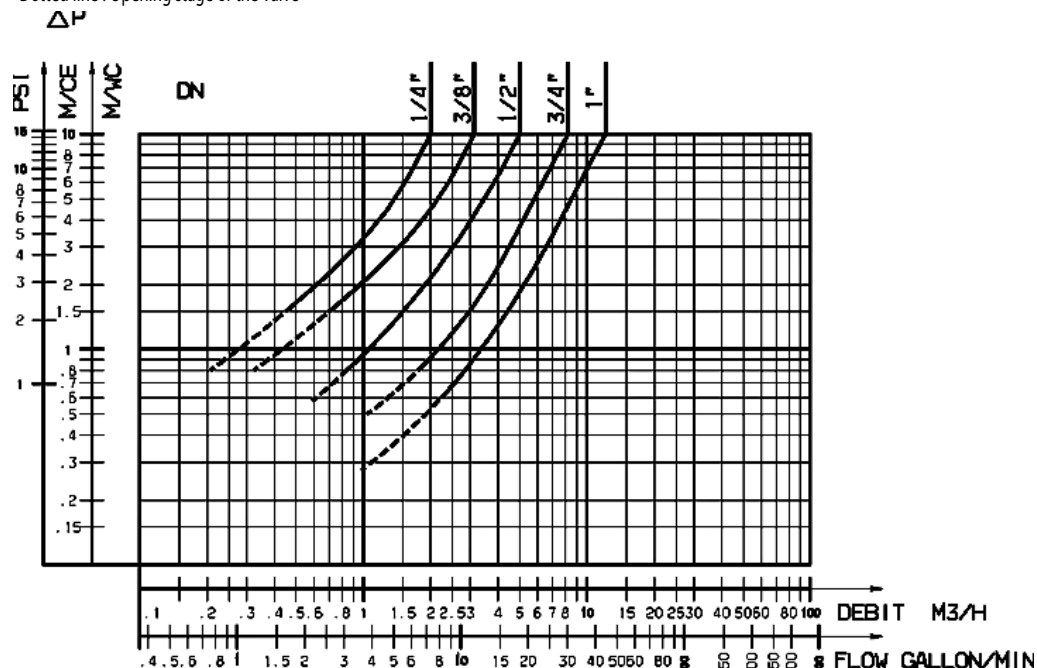


### Working principle

DN		Opening pressure in mm/WC	Kv	$\zeta$
"	mm	 Between 100 and 250	m <sup>3</sup> /H	
3/8	12		3,13	1,6
1/2	15		5,00	3,1
3/4	20		8,23	3,7
1	25		12,07	4,2

#### Direction for use :

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



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