

## Technical data sheet

# Type 251PU

## EA antipollution non-return valve

System 01

### Applications and special features



- Operates in any position
- Minimum head loss
- Silent and robust
- Does not generate hammering
- Closing system : double axial guiding with return spring
- Excellent sealing at high as well as at low pressure ensured by a specially designed lip ring-seal.
- Drilled bosses 1/4" with drain cock, except DN15, drilled bosses 1/8"

### Technical description

DN		PFA (bar)	PS (bar)				Cat.	References	Vvs-nr
C	"		L1	L2	G1	G2			
15	1/2	10	10	10	10	10	3.3	149B 1501	
20	3/4	10	10	10	10	10	3.3	149B 1439 0	
25	1	10	10	10	10	10	3.3	149B 1452 8	
30	1 1/4	10	10	10	X	10	3.3	149B 1449 5	
40	1 1/2	10	10	10	X	10	3.3	149B 1452 9	

C : water meter

**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/Male BSP thread, with union nut
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table

- **Maximum permissible pressure PS - other mediums :** See tableau

- **θ** Mini. -10 °C  
Maxi. 80 °C

- **Mediums :** Clear liquids, gas

- **Approvals :** ACS

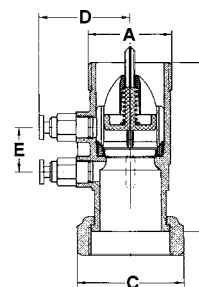
- **International construction Standards :**

NF Antipollution according to NF EN 13959 - EN1717

Thread connection according to NF E 03-005 ISO 228

### Overall dimensions

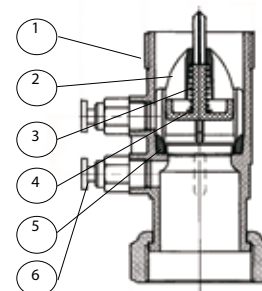
Connection A		B	C	D	E	Weight
mm	"	mm	mm	mm	mm	kg
20/27	3/4	78	30	41	26	0,21
26/34	1	81	37	46	26	0,35
33/42	1 1/4	89	46	50	30	0,55
40/49	1 1/2	99	55	50	30	0,72
50/60	2	105	65	55	32	1,07



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### Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Brass	CuZn39Pb2 ou CuZn40Pb2	
2	GUIDE	POM (polyacetal)		
3	CLOSING SYSTEM	POM (polyacetal)		
4	SPRING	Stainless steel	X10CrNi18-8	AISI 302
5	SEAL	NBR (Nitrile)		
6	DRAIN COCK	Brass		

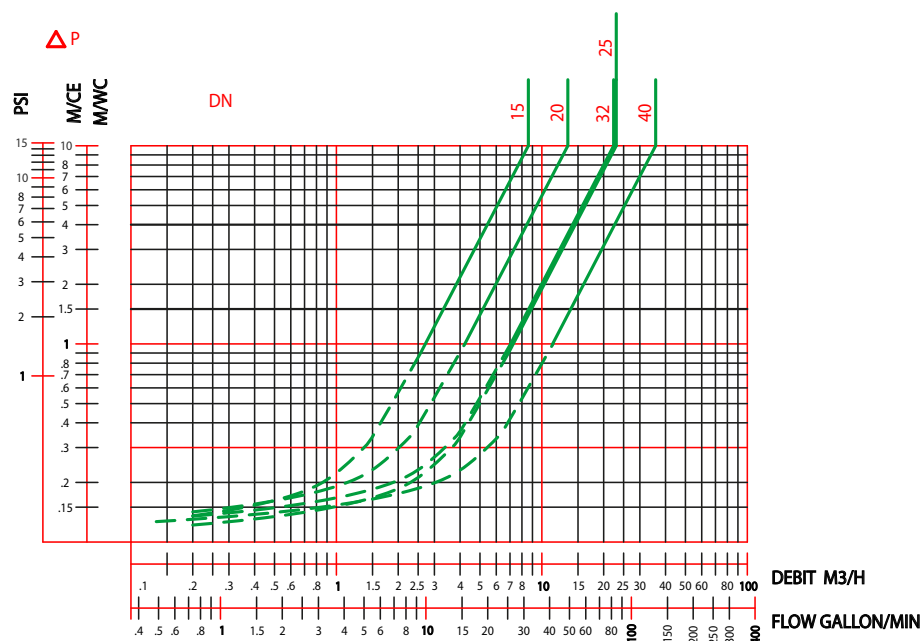


### Working principle

DN		Opening pressure (in mm WC)	Kv	$\zeta$
C	"	 Between 50 and 200	m <sup>3</sup> /H	
15	1/2		8,6	1,1
20	3/4		13,4	1,45
25	1		23,6	1,2
30	1 1/4		22,4	3,2
40	1 1/2		35,8	3,4

#### Direction for use :

- Solid line : Valve completely open
- Dotted line : opening stage of valve



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