

## Technical data sheet

# Type 251BL

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.
- 2 drilled bosses 1/4» with messing plug

### Technical description

DN	PFA (bar)	PS (bar)				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
20	10	10	10	10	10	3.3	149B 1751	
25	10	10	10	10	10	3.3	149B 1752	
30	10	10	10	X	10	3.3	149B 1753	
40	10	10	10	X	10	3.3	149B 1754	

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 table

• **θ** Mini. -10 °C  
Maxi. 80 °C

• **Mediums** : Clear liquids, gas

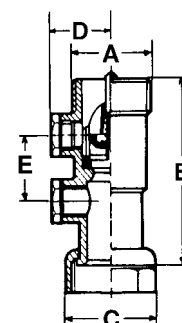
• **Approvals** : ACS

#### International construction Standards :

NF Antipollution according to NFP 43 007 - EN1717  
Thread connection according to NF E 03-005 ISO 228

### Overall dimensions

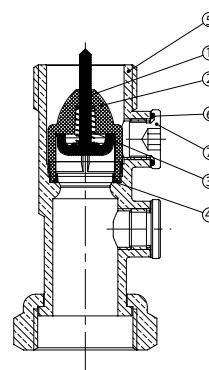
DN	Connections A	B	C	D	E	Weight
"	mm	mm	mm	mm	mm	kg
20	26/34	81	40,0	26,5	38	0,30
25	33/42	89	48,5	32,5	45	0,50
30	40/49	99	55,0	36,5	54	0,67
40	50/60	105	69,0	40,5	66	1,10



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### Spare parts list and materials

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

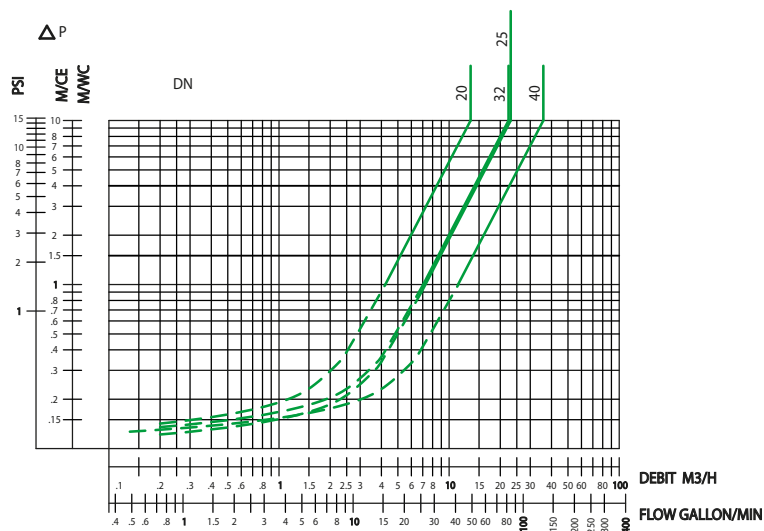


### Working principle

DN		Opening pressure (in mm WC)	Kv	ζ
C	"		m <sup>3</sup> /H	
20	3/4	Between 50 and 200	11,8	1,8
25	1		15,4	2,6
30	1 1/4		25,1	2,6
40	1 1/2		34,9	3,3

#### Direction for use :

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



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