

## Technical data sheet

# Type 221B

## EA anti-pollution non-return valve

01 System

### Applications and special features



- Operates in any position
- Minimum head loss
- Silent and robust
- Does not generate hammering
- 2 drilled bosses 1/4" plugged
- 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.

### Technical description

DN		PFA (bar)	PS (bar)				Cat.	References	Vvs-nr
mm	"		L1	L2	G1	G2			
20/27	3/4	10	10	10	10	10	3.3	149B 2171	
26/34	1	10	10	10	10	10	3.3	149B 2172	
33/42	1 1/4	10	10	10	X	10	3.3	149B 2173	
40/49	1 1/2	10	10	10	X	10	3.3	149B 2174	
50/60	2	10	10	10	X	10	3.3	149B 2175	

- **Connection** : female/female, BSP thread
- **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

- **Medium** : clear liquids, gas

- **Approvals** : ACS

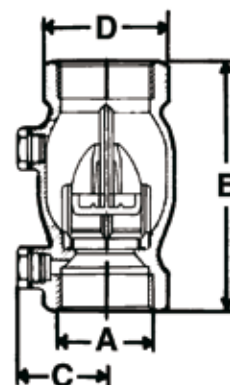
- **International construction Standards** :  
NF Antipollution according to NF EN 13959 - EN1717  
Thread connection according to NF E 03-005 ISO 228

#### 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.

### Overall dimensions

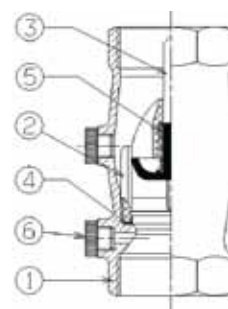
Connection A		B	C	D	Weight
"	mm	mm	mm	mm	kg
3/4	20/27	78	30,5	32	0,260
1	26/34	93	32,5	41	0,450
1 1/4	33/42	113	39,5	50	0,680
1 1/2	40/49	120	41,0	55	0,850
2	50/60	150	48,0	70	1,800



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### Spare parts list and materials

Nr	Description	Materials	EURO	ANSI
1	CASING except DN 2"	Brass Bronze	CuZn39Pb1 AL-C CuSn5Zn5Pb5-C	
2	GUIDE	PPO (Polyphenylene oxyde)		
3	CLOSING SYSTEM	POM (polyacetal)		
4	SPRING	Stainless steel	X10CrNi18-8	AISI 302
5	SEAL	NBR (Nitrile)		
6	PLUG SEAL	POM (polyacetal) EPDM		

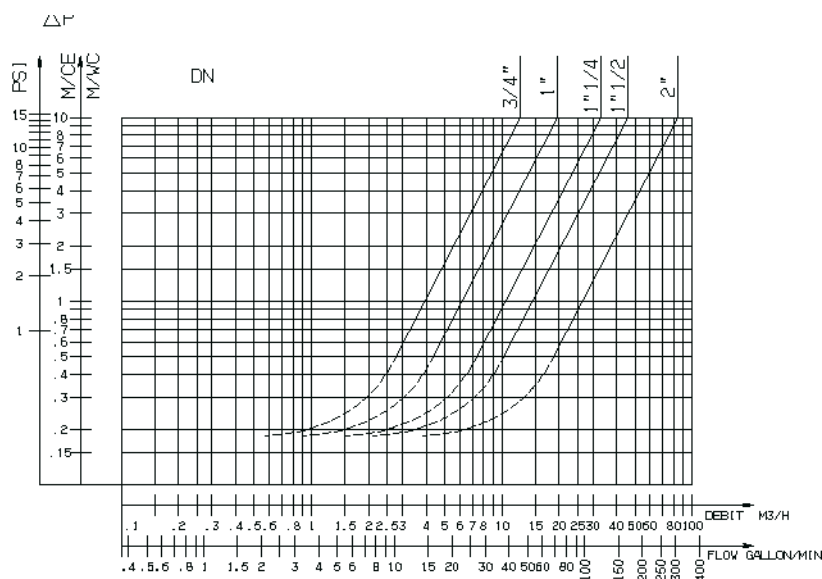


### Working principle

DN		Opening pressure (in mm WC)	Kv	ζ
"	mm			
3/4	20/27	 between 50 and 200	12,5	1,6
1	26/34		19,6	1,6
1 1/4	33/42		33,1	1,5
1 1/2	40/49		46,0	1,9
2	50/60		84,0	1,4

#### Directions for use

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



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