

EA 221B

EA antipollution non-return valves

System 01

Technical Data Sheet



Description

The non-return valve EA 221B is certified to the NF antipollution norms. This non-return valve is designed for the protection of drinking water network against polluted backflow which has no recognized toxic or microbiological risks to human health. It is particularly suitable for mounting after watermeter.

- Operates in any position
- Minium 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



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DN		PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
"	mm		L1	L2	G1	G2			
3/4	20	10	10	10	10	10	4.3	149B2171	0,13
1	25	10	10	10	10	10	4.3	149B2172	0,19
1 1/4	32	10	10	10	x	10	4.3	149B2173	0,29
1 1/2	40	10	10	10	x	10	4.3	149B2174	0,57
2	50	10	10	10	x	10	4.3	149B2175	0,74

Important notice :

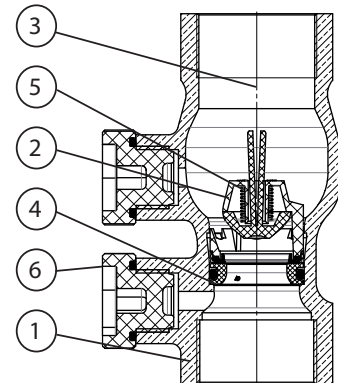
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

Technical features

Operating temperature	-10 °C at 80 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Female/female, BSP thread
Mediums	Clear liquids, gas

Nomenclature and materials

N°	Description	Materials	EURO	ANSI
1	Body	Brass	CuZn39Pb1 AL-C	
		Bronze	CuSn5Zn5Pb5-C	
2	Guide	PPO (Polyphenylene oxyde)		
3	Closing system	POM (polyacetal)		
4	Spring	Stainless steels	X10CrNi18-8	AISI 302
5	Seal	NBR (Nitrile)		
6	Plug	POM (polyacetal)		
		EPDM		



Approvals



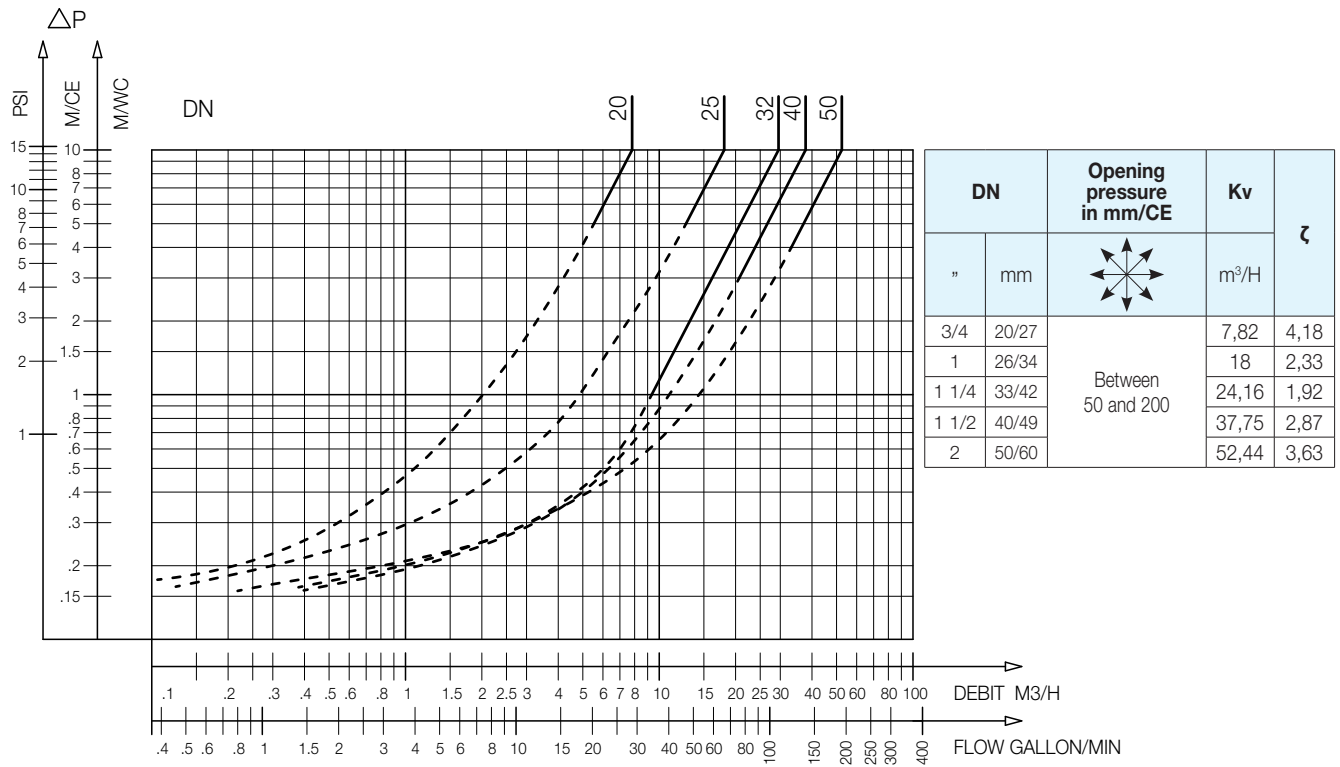
International construction Standards :
 NF Antipollution according to NF EN 13959 - EN1717
 Thread connection according to NF E 03-005 ISO 228

Application

Housing, water distribution, protection of drinking water networks.

Operation

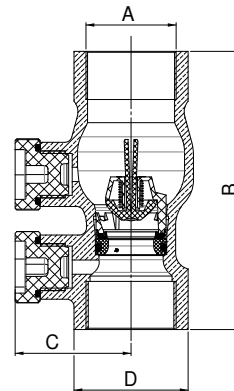
- Direction for use :**
- Solid line: Valve completely open
 - Dotted line: opening stage of valve



EA 221B - Headloss chart

Sizing

Connection A		B	C	D
"	mm	mm	mm	mm
3/4	20/27	78	32,5	32
1	26/34	93	32,5	41
1 1/4	33/42	113	39,5	50
1 1/2	40/49	120	41	55
2	50/60	150	47	70



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