

EB 921

EB antipollution non-return valves

System 01

Technical Data Sheet



Description

The non-return valve EB 921 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
- Minimum head loss
- Silent, robustness
- Does not generate hammering
- Closing system : 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
C	"		L1	L2	G1	G2			
15	1/2	10	10	10	10	10	4.3	149B1030	0,005
20	3/4	10	10	10	10	10	4.3	149B1011	0,010
25	1	10	10	10	10	10	4.3	149B1012	0,015
30	1 1/4	10	10	10	10	10	4.3	149B1013	0,070
40	1 1/2	10	10	10	10	10	4.3	149B1014	0,085
50	2	10	10	10	10	10	4.3	149B1863	0,180

Important notice :

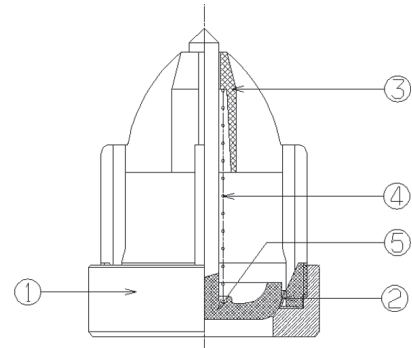
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. at your disposal in the price list (+ see additional explanations on the detachable slip).

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	To be inserted
Mediums	Clear liquids, gas

Nomenclature and materials

N°	Description	Materials	EURO	ANSI
1	Body	DN 1/2"	POM (Polyacetal)	
		DN 3/4"	POM (Polyacetal)	
		DN 1"	PA12 (Polyamide)	
		DN 1 1/4" at 2"	Brass	
2	Guide	POM (polyacetal)		
3	Closing system	POM (polyacetal)		
4	Spring	Stainless steels	X10CrNi18-8	AISI 302
5	Seal	NBR (Nitrile)		



Approvals

ACS

International construction Standards :
 NF Antipollution according to NF EN 13959 - EN1717

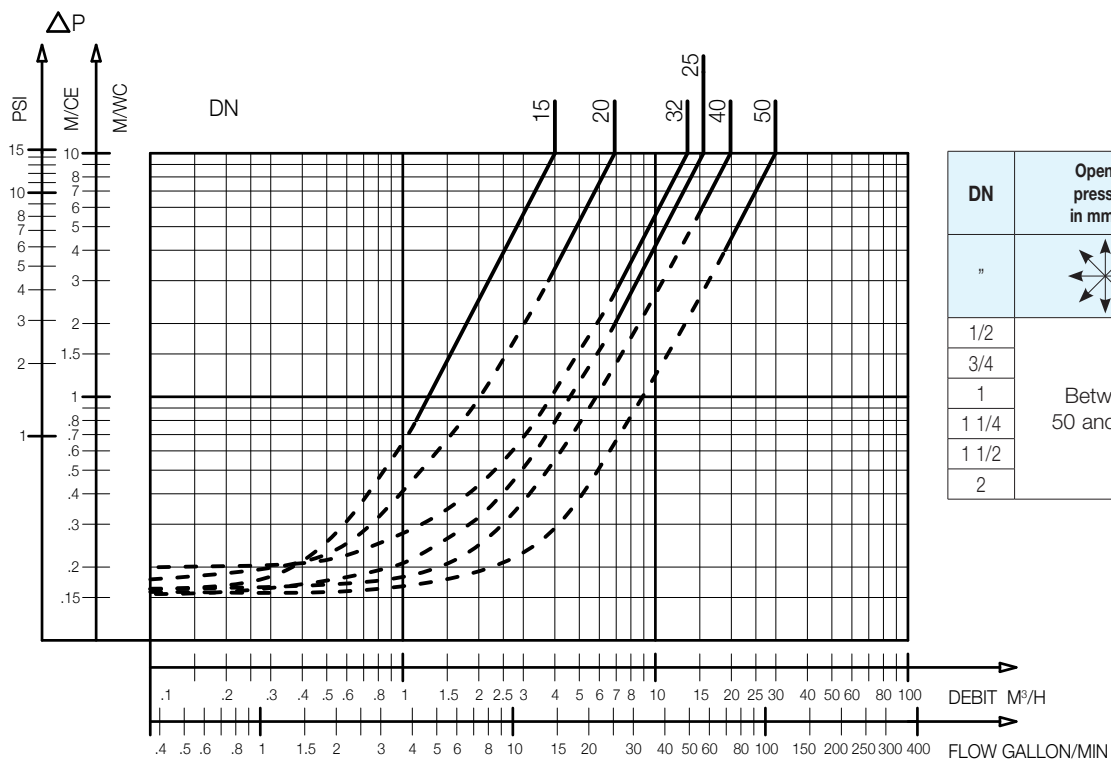
Application


Incorporation into pre-assembled equipment, protection of watermeters.

Operation

Direction for use :

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



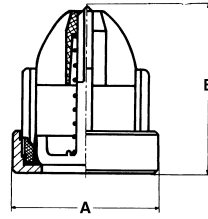
DN	Opening pressure in mm/CE	Kv	ζ
"		m³/H	
1/2	Between 50 and 200	4	4,95
3/4		6,9	5,35
1		15,5	2,75
1 1/4		13,40	9,35
1 1/2		19,85	10,40
2		29,90	11,20

EB 921 - Headloss chart

Sizing

DN	Boring	A	B
"	mm	mm	mm
1/2	18,5	18,3	19,0
3/4	22,5	23,0	25,0
1	28,8	28,5	38,0
1 1/4	38,5	38,0	41,0
1 1/2	44,5	44,0	51,5
2	50,5	50,0	62,0

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