

EA 223

EA antipollution non-return valves

System 03

Technical Data Sheet



Description

The non-return valve EA 223 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
- Particularly suitable for pressure water systems
- Does not generate hammering
- Closing system: axial guiding with return spring
- Excellent sealing at high as well as at low pressure
- Drilled bosses 1/4" brass plug



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DN	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
		L1	L2	G1	G2			
1/2	15	16	16	16	16	4.3	149B2890	0,20
3/4	20	16	16	16	16	4.3	149B2891	0,30
1	25	16	16	16	16	4.3	149B2892	0,47
1 1/4	32	16	16	x	16	4.3	149B2893	0,64
1 1/2	40	16	16	x	16	4.3	149B2894	0,85
2	50	16	16	x	16	4.3	149B2895	1,75

Important notice :

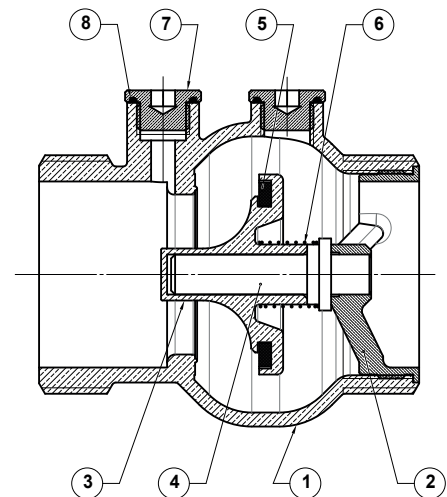
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

Technical features

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

Nomenclature and materials

N°	Description	Materials	EURO
1	Body	Brass	EN12165-CuZn40Pb2 H080 - 4MS
2	Guide	Brass	EN12165-CuZn40Pb2 H080 - 4MS
3	Closing system	Brass	EN12164-CuZn40Pb2 R360 - 4MS EN12165-CuZn40Pb2-H080 - 4MS
4	Stem	Brass	EN12164-CuZn35Pb1.5AlAs R350mini 4MS
5	Seal	EPDM	EPDM
6	Spring	Stainless steel	EN10270-3 X10CrNi18-8
7	Plug	Brass	EN12164-CuZn40Pb2 R360 - 4MS
8	Seal	EPDM	EPDM



Approvals



International construction Standards :

NF Antipollution according to NF EN 13959 - EN1717
Thread connection according to NF EN ISO 228-1 or ISO 7.1
Conformity CE directive 2014/68/UE

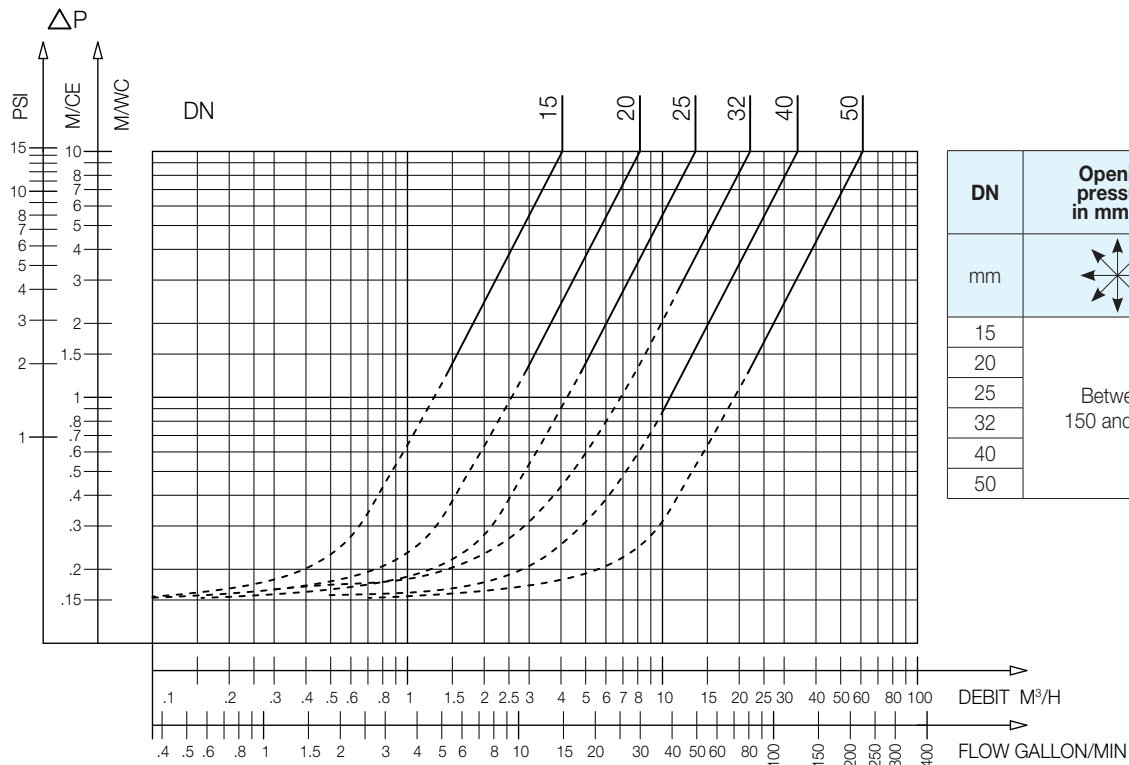
Application

Housing, water distribution, protection of drinking water networks.

Operation

Direction for use :

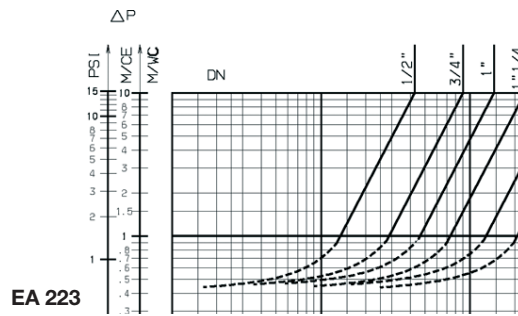
- Solid line: Valve completely open
- Dotted line: opening stage of valve



EA 223 - Headloss chart

Sizing

DN	Connection A		B	C
mm	"	mm	mm	mm
15	3/4	20/27	67	28
20	1	26/34	74	35
25	1 1/4	33/42	80,5	39
32	1 1/2	40/49	88,5	44
40	2	50/60	95	48
50	2 1/2	66/76	115	56



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