

# EA 223D

EA antipollution non-return valves

System 03

## Technical Data Sheet



## Description

The non-return valve EA 223D 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
"	mm		L1	L2	G1	G2			
1/2	15	16	16	16	16	16	4.3	<b>149B2890D</b>	0,22
3/4	20	16	16	16	16	16	4.3	<b>149B2891D</b>	0,55
1	25	16	16	16	16	16	4.3	<b>149B2892D</b>	0,88
1 1/4	32	16	16	16	x	16	4.3	<b>149B2893D</b>	1,23
1 1/2	40	16	16	16	x	16	4.3	<b>149B2894D</b>	1,94
2	50	16	16	16	x	16	4.3	<b>149B2895D</b>	3,22

### Important notice :

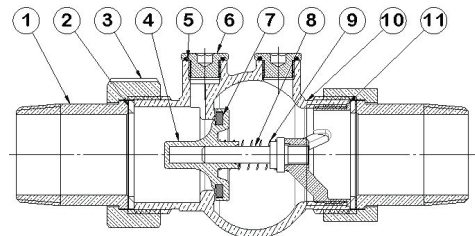
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

### 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 with union nut, BSP thread
Mediums	Clear liquids, gas

### Nomenclature and materials

N°	Désignation	Matériaux	EURO
1	Socket	Brass	EN12164-CuZn40Pb1.5AlAs R350 mini 4MS
2	Seal	Fiber	
3	Nut	Brass	EN12165-CuZn40Pb2 H080
4	Closing system	Brass	EN12164-CuZn40Pb2 R360 - 4MS EN12165-CuZn40Pb2-H080 - 4MS
5	O'ring	EPDM	
6	Plug	Brass	EN12164-CuZn40Pb2 R360 - 4MS
7	Seal	Silicone	
8	Stem	Brass	EN12164-CuZn40Pb1.5AlAs R350 mini 4MS
9	Spring	Stainless steel	EN10270-3 X10CrNi18-8
10	Body	Bronze	EN1982-CuSn5Zn5Pb2-C-GS EN1982-CC499KGS - 4MS



## 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  
Accordance CE directive 2014/68/UE

\* for VA approved check valves: stem made of plastic

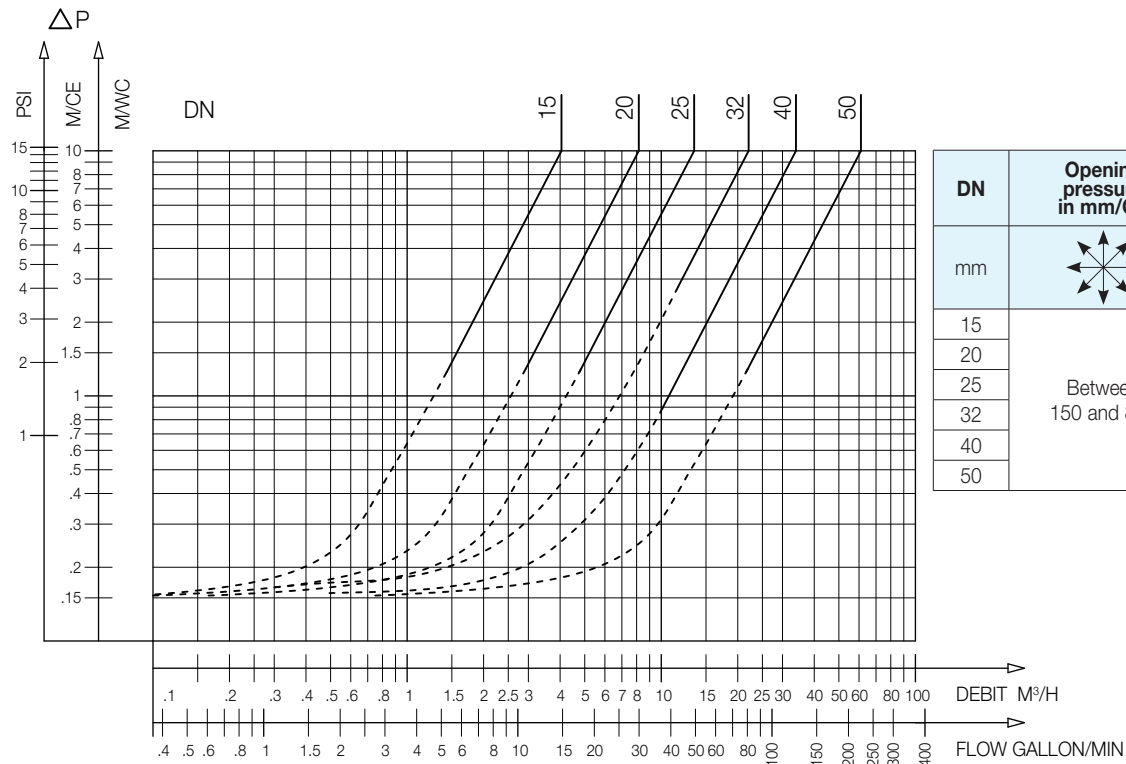
## Application

Housing, water distribution, protection of drinking water networks.

## Operation

### Direction for use :

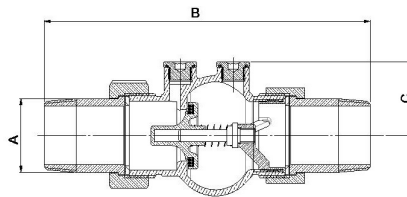
- Solid line: Valve completely open
- Dotted line: opening stage of valve



EA 223D - Headloss chart

## Sizing

DN	Connection A		B	C
	"	mm		
15	1/2	15/21	127	26
20	3/4	20/27	147	31
25	1	26/34	166,5	37
32	1 1/4	33/42	184,5	41,5
40	1 1/2	40/49	201	46
50	2	50/60	231	54



EA 223D

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ISO 9001 version 2015 / ISO 18001