

## Technical data sheet

# Type 223D

## EB anti-pollution non-return valve

03 System

### Applications and special features



- 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
- Incrustation resistant materials

### Technical description

DN	PFA (bar)	PS (bar)				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
1/2	16	16	16	16	16	3.3	149B 2890 D	
3/4	16	16	16	16	16	3.3	149B 2891 D	
1	16	16	16	16	16	3.3	149B 2892 D	
1 1/4	16	16	16	X	16	3.3	149B 2893 D	
1 1/2	16	16	16	X	16	3.3	149B 2894 D	
2	16	16	16	X	16	3.3	149B 2895 D	

#### 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.

- **Connection** : Male/male with union nut, 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

• **Mediums** : Clear liquids, gas

• **Approvals** : ACS

• **Other approvals available** :

• **International construction Standards** :

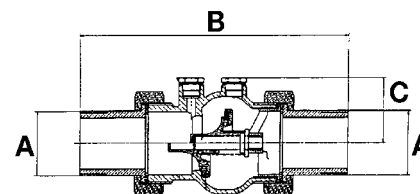
NF Antipollution according to NF EN 13959-EN1717

Thread connection according to NF EN ISO 228-1 or ISO 7.1

CE Conformity Directive 97/23/CE

### Overall dimensions

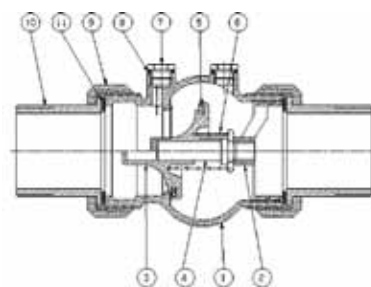
DN	Connection A		B	C	Weight
	"	mm			
1/2	1/2	15/21	132	28	0,335
3/4	3/4	20/27	148	35	0,550
1	1	26/34	166	39	0,880
1 1/4	1 1/4	33/42	184	44	1,230
1 1/2	1 1/2	40/49	194	48	1,935
2	2	50/60	231	56	3,220



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### Spare parts list and materials

Nr	Description	Material	EURO	ANSI
1	CASING	Brass	CuZn39Pb1AL-C	
2	GUIDE	Brass	CuZn39Pb2	ASTM B 124
3	CLOSING SYSTEM	Brass	CuZn39Pb3	
4	STEM	Brass	CuZn36Pb2As	
5	SEAL	EPDM		
6	SPRING	Stainless steel	X10CrNi18-8	AISI 302
7	PLUG	Brass	CuZn40Pb2	
8	SEAL	EPDM		
9	NUT	Brass	CuZn39Pb2	ASTM B124
10	SOCKET	Brass	CuZn39Pb2	ASTM B124
11	SEAL	Fiber		



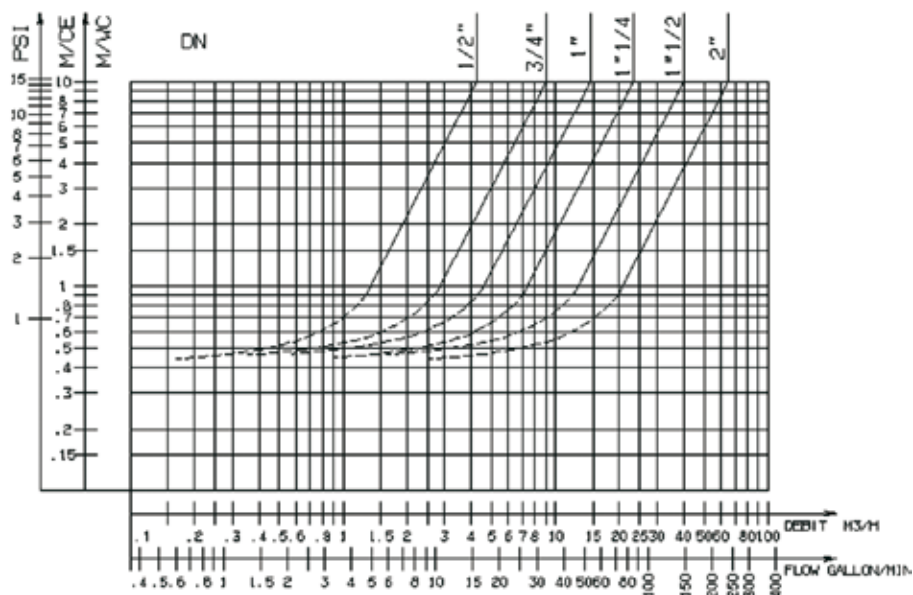
### Working principle

DN	Opening pressure (in mm WC)	Kv	$\zeta$
"		m <sup>3</sup> /H	
1/2	between 150 and 800	4,25	4,39
3/4		9,00	3,09
1		14,53	2,90
1 1/4		23,30	3,00
1 1/2		40,47	2,45
2		65,27	2,30

#### Direction for use :

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

$\Delta P$



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