

## Technical data sheet

### Type 223

#### EB anti-pollution non-return valve

01 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	
3/4	16	16	16	16	16	3.3	149B 2891	
1	16	16	16	16	16	3.3	149B 2892	
1 1/4	16	16	16	X	16	3.3	149B 2893	
1 1/2	16	16	16	X	16	3.3	149B 2894	
2	16	16	16	X	16	3.3	149B 2895	

#### 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.

The operating instructions are available on our web site [www.danfoss-socla.com](http://www.danfoss-socla.com) or by requesting from our sales department.

- **Connection** : Male/male, BSP thread
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table

- **Maximum permissible pressure PS - other mediums** : See table

- **T°** : Mini. -10 °C  
Maxi. 80 °C

- **Mediums** : Clear liquids, gas

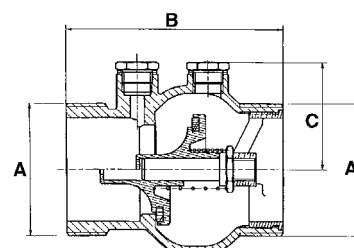
- **Approvals** :

- **Other approvals available** : : please consult us

- **International construction Standards** :  
NF Antipollution according to NF EN 13959  
Thread connection according to NF E 03-005 ISO 228  
CE Conformity Directive 97/23/CE

#### Overall dimensions

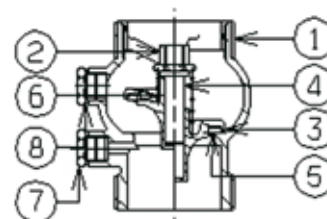
DN	Connection A		B	C	Weight
	"	mm			
1/2	3/4	20/27	67,0	28	0,195
3/4	1	26/34	74,0	35	0,300
1	1 1/4	33/42	80,5	39	0,470
1 1/4	1 1/2	40/49	88,5	44	0,640
1 1/2	2	50/60	95,0	48	1,135
2	2 1/2	66/76	115,0	56	1,750



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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		



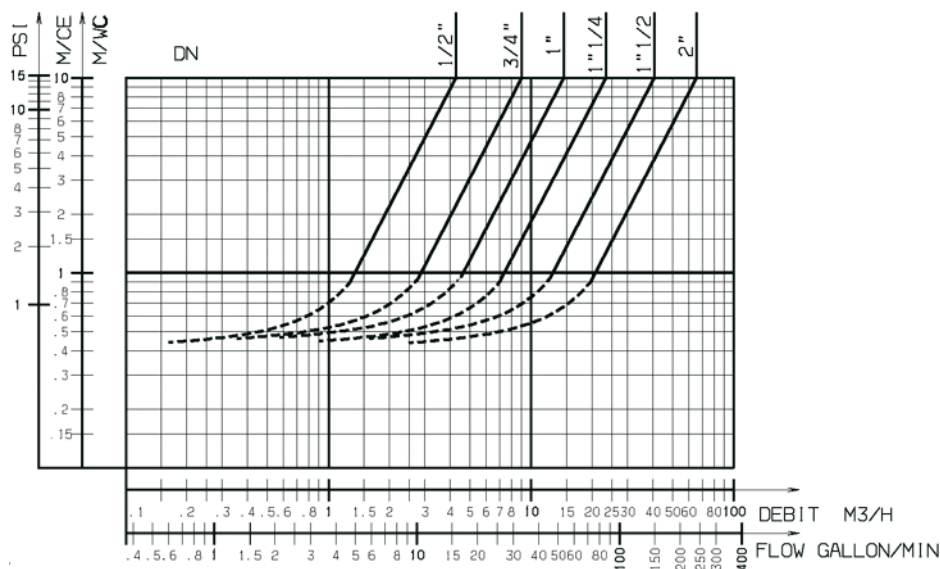
## Working principle

DN	Opening pressure (in mm WC)	Kv	ζ
"		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

ΔP



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