

Technical data sheet

Type 231

EB anti-pollution non-return valve

01 System

Applications and special features



- Operates in any position
- Minimum head loss
- Silent and robust
- Does not generate hammering
- Closing system : double axial guiding with return spring
- Excellent sealing at high as well as at low pressure ensured by a specially designed lip ring-seal.

Technical description

DN	PFA (bar)	PS (bar)				Cat.	References	(bar)
		L1	L2	G1	G2			
3/8	10	10	10	10	10	3.3	149B 2069	
1/2	10	10	10	10	10	3.3	149B 2070	
3/4	10	10	10	10	10	3.3	149B 2091	
1	10	10	10	10	10	3.3	149B 2092	
1 1/4	10	10	10	x	10	3.3	149B 2093	
1 1/2	10	10	10	x	10	3.3	149B 2094	
2	10	10	10	x	10	3.3	149B 2095	

- **Connection** : Female/female, 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. 65 °C
Short time (1h/day) : 90°C
- **Mediums** : Clear liquids, gas
- **Approvals** : ACS

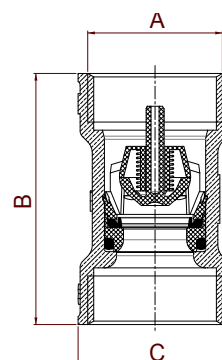
Important notice :

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.

- **International construction Standards** :
NF Antipollution according to NF EN13959 - EN1717
Thread connection according to NF EN ISO 228-1

Overall dimensions

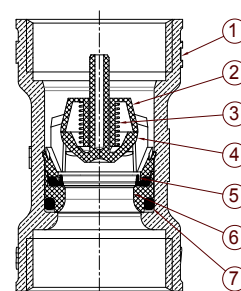
Connection A		B	C	Weight
"	mm	mm	mm	kg
3/8	12/17	39,0	22	0,045
1/2	15/21	41,0	26	0,060
3/4	20/27	50	32	0,085
1	26/34	62	38	0,170
1 1/4	33/42	74	48,0	0,295
1 1/2	40/49	90	55,0	0,410
2	50/60	108	67,0	0,740



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Spare parts list and materials

N°	Description	Material
1	CASING	EN12165 CuZn35Pb1.5AlAs-H060
2	GUIDE	Hostaform C 13031 natural
3	SPRING	EN10270-3 X10CrNi18-8
4	CLOSING SYSTEM	Hostaform C 13031 natural
5	SEAL	NBR 70 Sh.A
6	SEAT	Hostaform C 13031 natural
7	O-RING	NBR 70 Sh.A

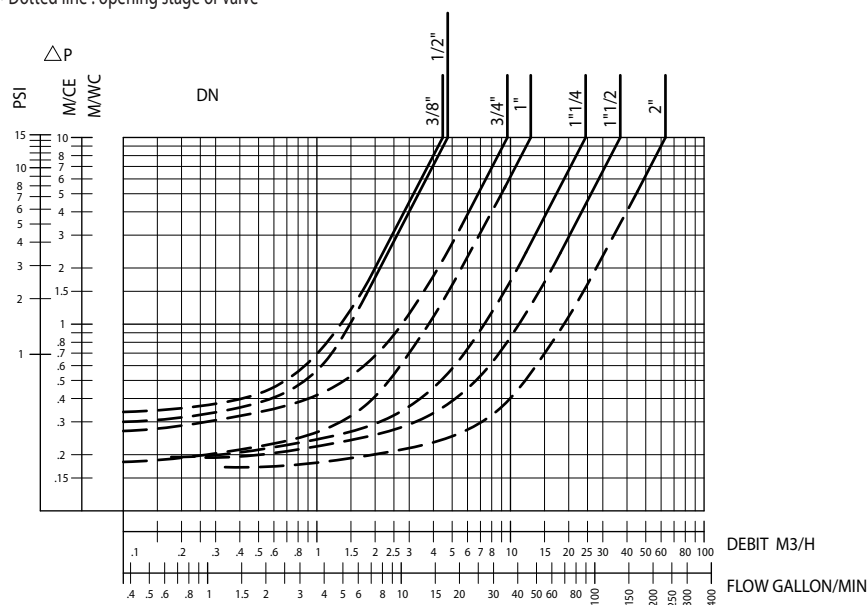


Working principle

DN	Opening pressure (in mm WC)	Kv	ζ
"		m ³ /H	
3/8	between 50 and 200	4	1
1/2		4,75	3,6
3/4		9,65	2,75
1		12,7	3,85
1 1/4		24,5	2,8
1 1/2		36,9	3
2		63,2	2,5

Direction for use :

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



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