

Technical data sheet

Type 281

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	Vvs-nr
M"	F"		L1	L2	G1	G2			
1/2	3/8	10	10	10	10	10	3.3	149B 2518	
1/2	1/2	10	10	10	10	10	3.3	149B 2519	
3/4	3/4	10	10	10	10	10	3.3	149B 2520	
1	1	10	10	10	10	10	3.3	149B 2521	

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/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

- **θ** Mini. -10 °C
Maxi. 80 °C

- **Mediums** : Clear liquids, gas

- **Approvals** : ACS

- **Other approvals available** : **kiwa**
Please consult us

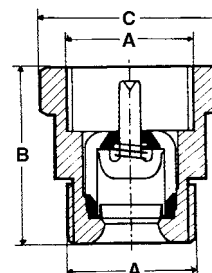
- **International construction Standards** :

NF Antipollution according to NF EN 13959 - EN1717

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

Overall dimensions

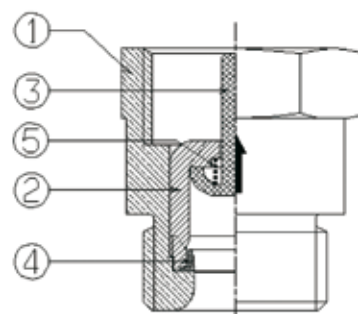
Connection A		B	C	Weight
M"	F"	mm	mm	kg
1/2	3/8	30,0	22	0,050
1/2	1/2	30,0	26	0,065
3/4	3/4	34,0	30	0,100
1	1	41,0	38	0,120



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Spare parts list and materials

Nr	Description	Materials	EURO	ANSI
1	CASING	Brass		
2	GUIDE	POM (polyacetal)		
3	CLOSING SYSTEM	POM (polyacetal)		
4	SEAL DN 3/8" - 1/2" SEAL DN 3/4" - 1"	EPDM NBR (Nitrile)		
5	SPRING	Stainless steel	X10CrNi18-8	AISI 302



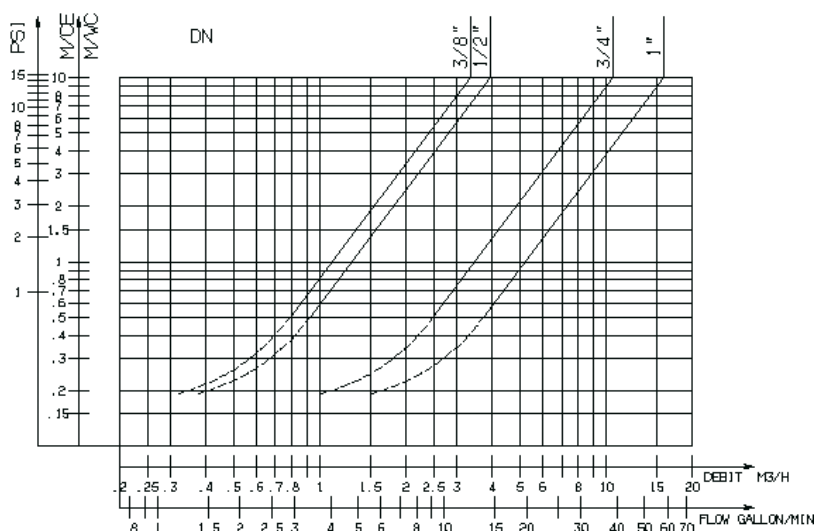
Working principle

DN	Opening pressure (in mm WC)	Kv	ζ
"		m ³ /H	
1/2	between 50 and 200	3,2	7,7
1/2		3,9	5,2
3/4		10,6	2,2
1		15,9	2,4

Direction for use :

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

ΔP



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