

Technical data sheet

Type 251

EA anti-pollution non-return valve

System 01

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.
- 2 drilled bosses 1/4» with PPA plugs.

Technical description

DN		PFA (bar)	PS (bar)				Cat.	References	Vvs-nr
C	"		L1	L2	G1	G2			
15	3/4	10	10	10	10	10	3.3	149B 2111	
20	1	10	10	10	10	10	3.3	149B 2112	
25	1 1/4	10	10	10	X	10	3.3	149B 2113	
30	1 1/2	10	10	10	X	10	3.3	149B 2114	
40	2	10	10	10	X	10	3.3	149B 2115	

C : water meter

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** : Female/Male BSP thread, with union nut
- **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

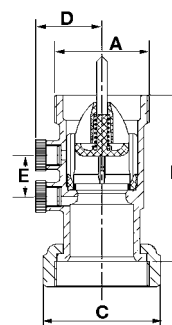
• **Approvals** : ACS

International construction Standards :

NF Antipollution according to NF EN 13959 - EN1717
Thread connection according to NF EN ISO 2281 ou ISO 7.1

Overall dimensions

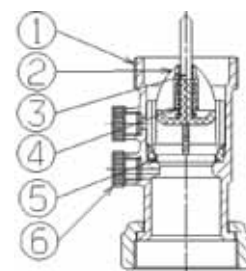
DN	Connection		A	B	C	D	E	Weight
C	"	mm	mm	mm	mm	mm	mm	kg
15	3/4	20/27	78	30	22	26	0,18	
20	1	26/34	81	37	27	26	0,30	
25	1 1/4	33/42	89	46	31	30	0,50	
30	1 1/2	40/49	99	55	31	30	0,67	
40	2	50/60	105	65	36	32	1,10	



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Brass	CuZn39Pb2 ou CuZn40Pb2	
2	GUIDE	POM (polyacetal)		
3	CLOSING SYSTEM	POM (polyacetal)		
4	SPRING	Stainless steel	X10CrNi18-8	ANSI 302
5	SEAL	NBR (Nitrile)		
6	PLUG SEAL	PPA EPDM		

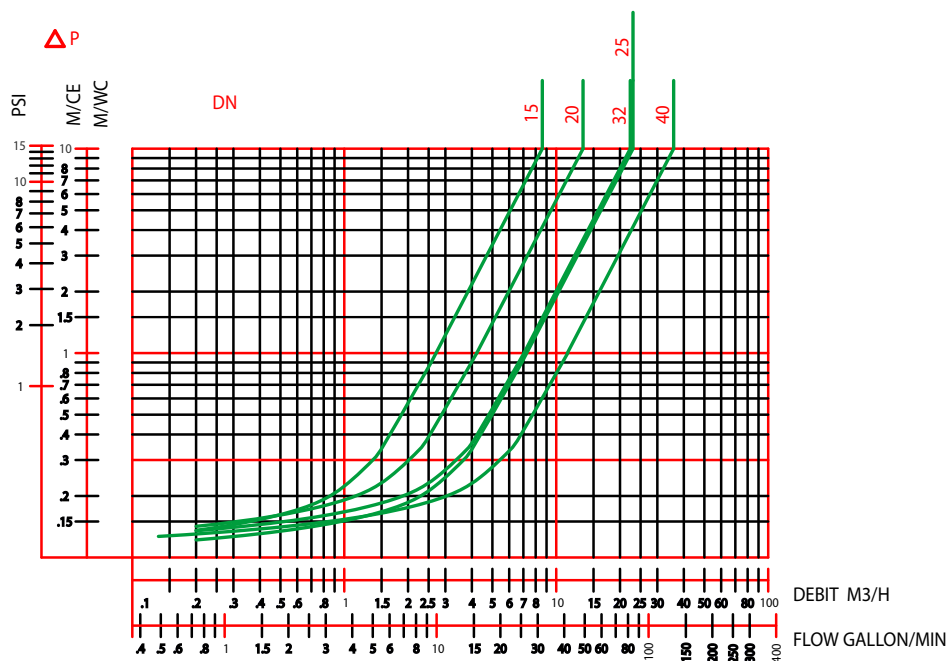


Working principle

DN		Opening pressure (in mm WC)	Kv	ζ
C	"		m ³ /H	
15	3/4	between 50 and 200	8,6	1,1
20	1		13,4	1,45
25	1 1/4		23,6	1,2
30	1 1/2		22,4	3,2
40	2		35,8	3,4

Direction for use :

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



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Socla SAS

365 rue du lieutenant Putier
71530 VIREY LE GRAND
Postal address : BP 10273
71107 CHALON SUR SAONE Cedex

Tel : 33 3 85 97 42 52
Fax : 33 3 85 97 97 42
<http://www.socla.com>
e-mail: commer@socla.com