

Technical data sheet

Type 211

Non-return valve

01System

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 A (*) mm	PFA (bar)	PS (bar)				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
8	10	10	10	10	10	3.3	149B 2079	
10	10	10	10	10	10	3.3	149B 2080	
12	10	10	10	10	10	3.3	149B 2081	
15	10	10	10	10	10	3.3	149B 2082	
18	10	10	10	10	10	3.3	149B 2083	
22	10	10	10	10	10	3.3	149B 2083	
28	10	10	10	X	10	3.3	149B 2083	

(*) Copper tube external DN

- **Connection** : compression fittings
- **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** : VERITAS and ACS (France)
KIWA (Holland) - VA (Denmark)
- **International construction Standards** :

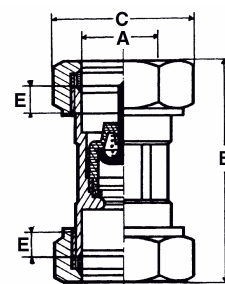
Important notice :

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 or by requesting from our sales department.

Overall dimensions

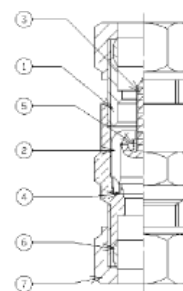
A	B	C	E	Weight
mm	mm	mm	mm	kg
8	54,0	20	6,0	0,070
10	57,5	20	7,5	0,095
12	59,0	20	7,5	0,070
15	61,0	24	12,5	0,110
18	59,0	27	12,5	0,130
22	64,0	32	12,5	0,160
28	64,0	41	12,5	0,240



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	DZR brass	CuZn36Pb2As	UNS C 35 330
2	GUIDE	Hostaform		
3	CLOSING SYSTEM	Hostaform		
4	SEAL- 22 and 28 mm other sizes	NBR Nitrile EPDM		
5	SPRING	Stainless steel	X10CrNi185-8	AISI 302
6	RING	Brass	CuZn36Pb2As	UNS C 35 330
7	NUT	Brass	CuZn36Pb2As	UNS C 35 330

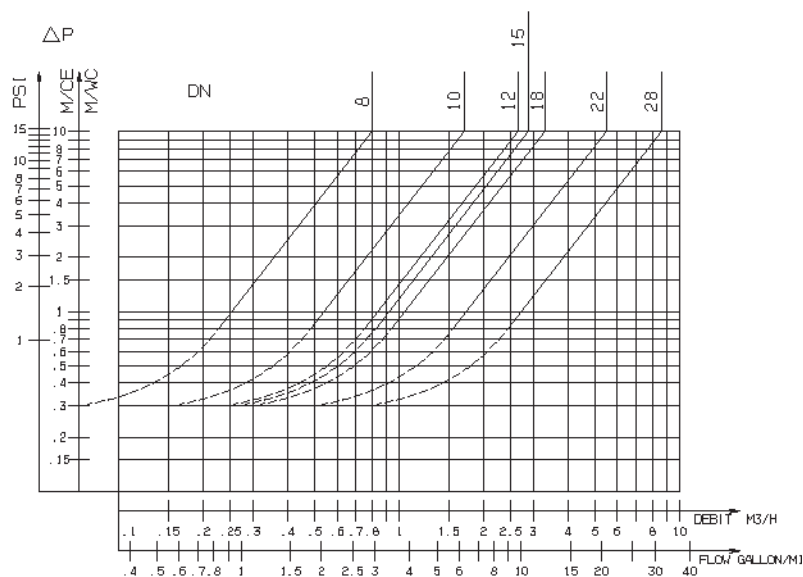


Working principle

DN		Opening pressure (in mm WC)	Kv	ζ
C	mm		m³/H	
15	1/2	between 50 and 200	7,0	1,6
20	3/4		11,8	1,8
25	1		15,4	2,6
30	1 1/4		25,1	2,6
40	1 1/2		34,9	3,3

Direction for use :

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



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Danfoss Socla

365 rue du lieutenant Putier
71530 VIREY LE GRAND
Postal address : BP273
71107 CHALON SUR SAONE Cedex

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