Technical data sheet

Type 882

Non return valve

System 02

Applications and special features

- Operates in any position
- Minimum head loss
- Silent, reliable sealing, compact
- Exceptional robustness
- Does not generate hammering
- Closing system : short back axial guiding for reduced displacement
- Sealing guaranteed by a flat seal
- Return spring

Technical description

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.

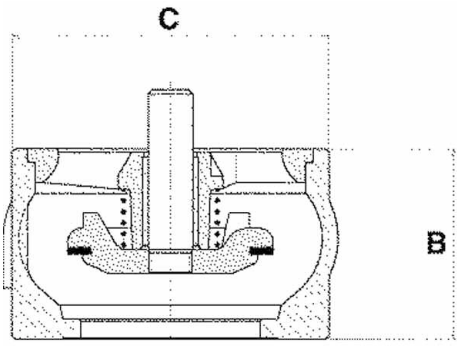
DN		PFA	PS in bar				Cat.	References	Vvs-nr
"	mm	in bar	L1	L2	G1	G2			
2 1/2	65	40	30	40	15	40	I	**149B 3040**	
2 1/2	65	40	40	40	40	40	II	**149B 3040C2**	
3	80	40	25	40	12	40	I	**149B 3041**	
3	80	40	40	40	40	40	II	**149B 3041C2**	
4	100	40	20	40	10	35	I	**149B 3042**	
4	10	40	40	40	35	40	II	**149B 3042C2**	
5	125	40	16	40	0,5	28	I	**149B 3043**	
5	125	40	40	40	28	40	II	**149B 3043C2**	
6	150	40	13	40	0,5	23	I	**149B 3044**	
6	150	40	440	40	23	33	II	**149B 3044C2**	
8	200	16	16	16	16	16	II	**149B 3045***	
8	200	25	25	25	17	25	II	**149B 007936****	
8	200	40	40	40	17	25	II	**149B 007937*****	
10	250	40	40	40	14	20	II	**149B 3046******	
10	250	25	25	25	14	20	II	**149B 007938****	

- **Connection** : Mounting between flanges, PN see table
- **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. 100 °C
- **Mediums** : Clear liquids, gas
- **Approvals** : VERITAS (France), ACS (France)
  CE conformity (Europe)
- **International construction Standards** :
  CE Conformity Directive 97/23/CE
  Flange drilling according to EN1092-2

* PN 10-16 ASA 150
** PN 25
*** PN 40
**** PN 10-16-40 ASA 150

Overall dimensions

DN	B	C				Weight
mm	mm	PN10/16	PN25	PN40	ASA150	kg
65	75	126	126	126	121	2,7
80	85	142	142	142	-	4
100	105	162	170	170	170	6
125	90	194	194	194	194	7
150	106	218	222	222	222	11
200	140	273	-	-	273	22
200	140	-	285	-	-	22
200	140	-	-	289	-	22
250	200	-	339	-	-	47
250	200	328	-	352	328	47



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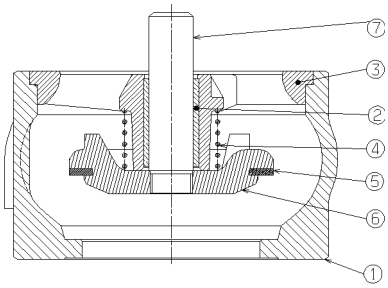
Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Cast iron + epoxy	EN-GJS-400.15	ASTM A 536 60-40-18
2	RING	Bronze	CuSn12	
3	GUIDE	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
4	SPRING	Stainless steel	X10CrNi18-8	AISI 302
5	SEAL	EPDM		
6	CLOSING SYSTEM DN65	Bronze	CuSn5Zn5Pb5-C	ASTM B 505
	Other DN	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
7	STEM	Bronze	CuSn5Zn5Pb5-C	ASTM B 505

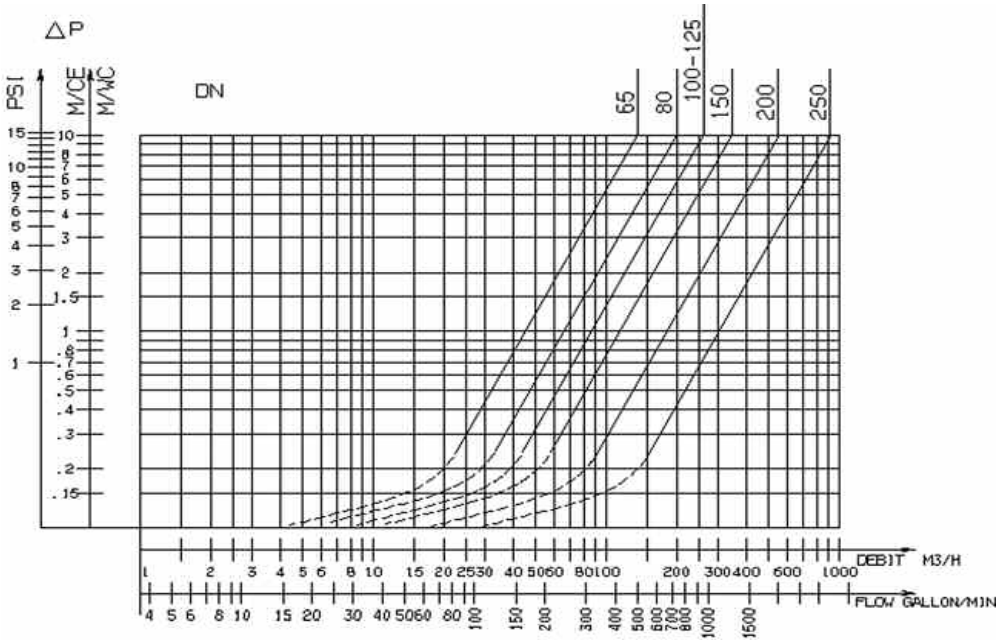


Working principle

DN		Opening pressure in mm/CE				Kv	ζ
"	mm	↑	↓	↔	without spring	m³/H	
2 1/2	65	400	250	50		136,00	1,50
3	80	350	200	50		200,00	1,60
4	100	300	190	50		265,00	2,30
5	125	250	20	100		265,00	5,70
6	150	200	15	100		347,00	6,80
8	200	200	15	100		550,00	8,30
8	200	200	15	100		550,00	8,30
8	200	200	15	100		550,00	8,30
10	250					916,00	7,30
10	250					916,00	7,30

Direction for use :

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



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