

## Technical data sheet

# Type 627V

## Non return valve

### System 05

#### Applications and special features



- Can be installed horizontally or vertically facing upwards.
- Compact
- Robust and reliable
- Simple design, easy installation

#### 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](http://www.danfoss-socla.com) or by simple request from our sales department.

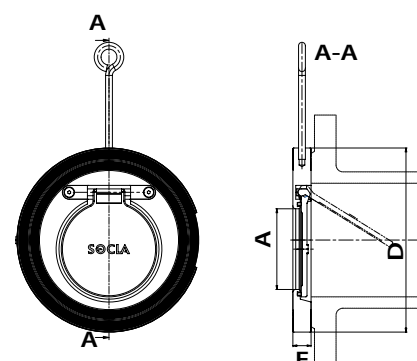
NB : PN16 version : Please consult us

DN mm	PN	PFA en bar	PS - bar				Cat.	References	Vvs-nr
			L1	L2	G1	G2			
40	10/16	16	10	10	10	10	I	149F021226	
50	10/16	16	10	10	10	10	I	149F021227	
65	10/16	16	10	10	10	10	I	149F021228	
80	10/16	16	10	10	10	10	I	149F021318	
100	10/16	16	10	10	10	10	I	149F021319	
125	10/16	16	10	10	0,5	10	I	149F021320	
150	10/16	16	10	10	0,5	10	I	149F021321	
200	10	10	10	10	0,5	10	I	149F021322	
250	10	10	10	10	0,5	10	I	149F021323	
300	10	10	10	10	0,5	10	I	149F021324	

- **Connection** : 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
- **Maximum service velocity** : 5m/s
- **T°** : Mini. -10 °C  
Maxi. 150 °C
- **Mediums** : Clear liquids, hydrocarbons
- **Approvals** : VERITAS (France)  
CE Conformity (Europe)
- **International construction Standards** :  
CE conformity Directive 97/23/CE  
Flange drilling according to EN 1092 series 2

#### Overall dimensions

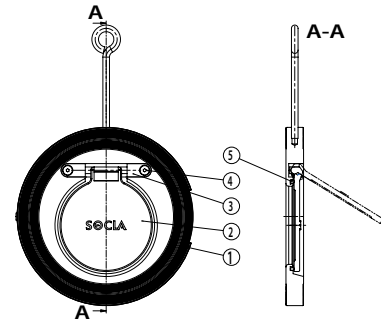
DN mm	A mm	D mm	E mm
40	22	94	16
50	32	106	16
65	42	129	16
80	53	144	16
100	71	162	16
125	94	194	16
150	114	220	19
200	164	275	28
250	199	331	32
300	240	380	38



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### Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Stainless steel	GX5CrNiMo19-11-2	AISI 316
2	DISC	Stainless steel	GX5CrNiMo19-11-2	AISI 316
3	DISC HOLDING	Stainless steel	X5CrNi18-10	AISI 304
4	SCREW	Stainless steel	X5CrNi18-10	AISI 304
5	SEAL	FKM		



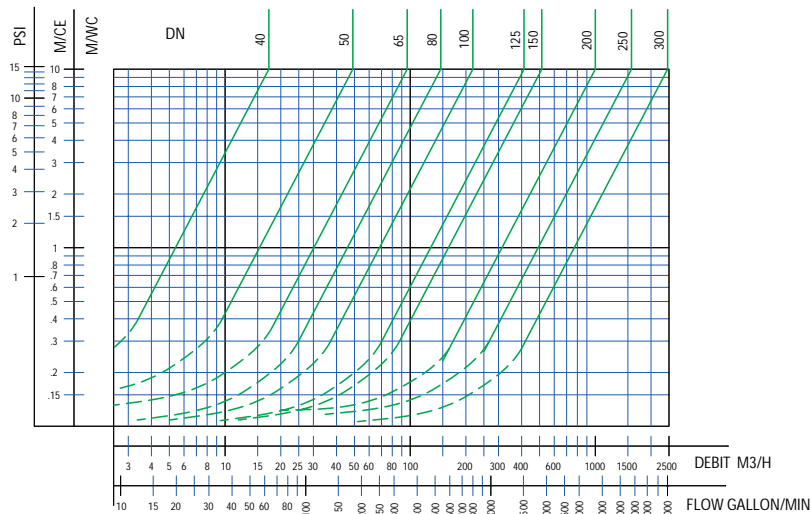
### Working principle

DN mm	Opening pressure mm/WC	Kv	$\xi$
		m <sup>3</sup> /H	
40	near zero	17,3	13,76
50		49	4,19
65		93	3,25
80		141,8	3,3
100		218	3,34
125		412	2,29
150		514	3,06
200		1 069	2,23
250		1 569	2,54
300		2 459	2,14

#### Mode de fonctionnement :

- Courbe continue : Clapet totalement ouvert
- Courbe pointillée : Phase d'ouverture du clapet

$\Delta P$



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