

Technical data sheet

Type 635V

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
- PN16 up to DN150
- Industrial processes , general water circuits, hydrocarbons

Technical description

Important :

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.

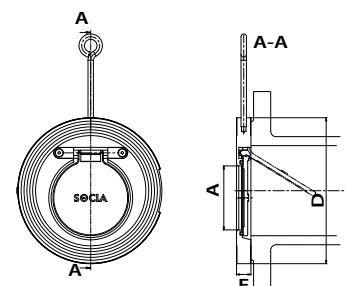
NB : PN16 version : Please consult us

DN mm	PN	PFA bar	PS - bar				Cat.	References	Vvs-nr
			L1	L2	G1	G2			
40	10/16	16	10	10	10	10	I	149F021308	
50	10/16	16	10	10	10	10	I	149F021309	
65	10/16	16	10	10	10	10	I	149F021310	
80	10/16	16	10	10	10	10	I	149F021311	
100	10/16	16	10	10	10	10	I	149F021312	
125	10/16	16	10	10	0,5	10	I	149F021313	
150	10/16	16	10	10	0,5	10	I	149F021314	
200	10	10	10	10	0,5	10	I	149F021315	
250	10	10	10	10	0,5	10	I	149F021316	
300	10	10	10	10	0,5	10	I	149F021317	

- **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
- **θ**
 - Mini. -10 °C
 - Maxi. 150 °C
- **Mediums** : Clear liquids, hydrocarbons
- **Approvals** :
- **International construction Standards** :
 - CE conformity Directive 97/23/CE
 - Flange drilling according to EN 1092 series 2

Overall dimensions

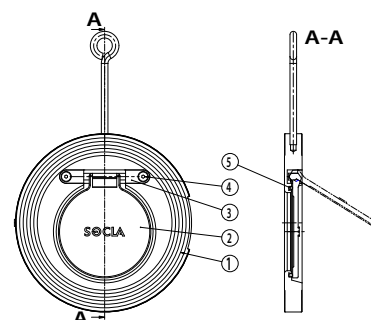
DN mm	A mm	D mm	E mm
40	22	94	16
50	32	106	16
65	42	129	16
80	53	144	16
100	71	162	16
125	94	194	16
150	114	220	19
200	164	275	28
250	199	331	32
300	240	380	38



Technical data sheet **Fig. 635V - Non return valve**

Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Steel cataphoresis coated	GP240GH	
2	DISC	Steel cataphoresis coated	GP240GH	
3	DISC HOLDING	Stainless steel	X5CrNi18-10	AISI 304
4	SCREW	Stainless steel	X5CrNi18-10	AISI 304
5	SEAL	FKM		

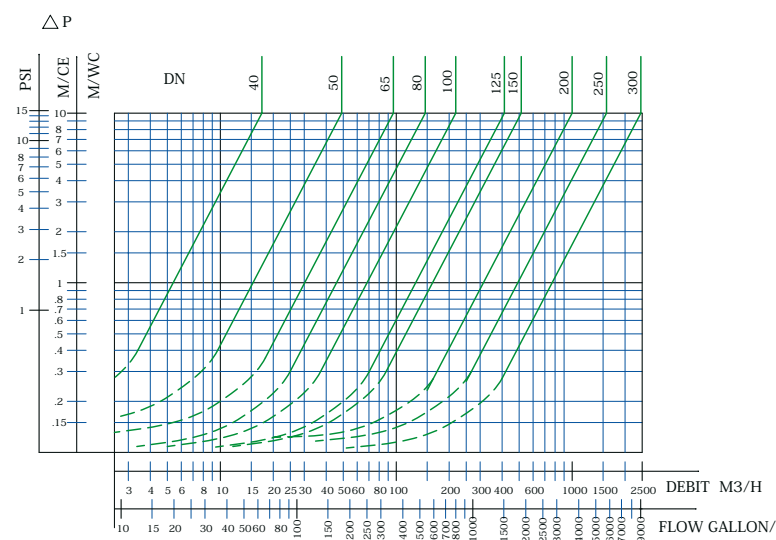


Working principle

DN	Opening pressure mm/WC	Kv	ζ
mm	near zero	m ³ /H	
40		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

Direction for use :

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



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