

Non-return valves with single plate  
System 05

**Technical Data Sheet**



# Description

Non-return valves with single plate in aluminium bronze :

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



## 696V

Non-return valves with single plate - System 05

DN mm	PN	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
			L1	L2	G1	G2			
40	10/16	16	16	16	16	16	I	<b>149F021325</b>	0,870
50	10/16	16	16	16	16	16	I	<b>149F021326</b>	0,965
65	10/16	16	16	16	15	16	I	<b>149F021327</b>	1,550
80	10/16	16	16	16	12	16	I	<b>149F021328</b>	1,870
100	10/16	16	16	16	10	16	I	<b>149F021329</b>	2,250
125	10/16	16	16	16	0,5	16	I	<b>149F021330</b>	3,220
150	10/16	16	13	16	0,5	16	I	<b>149F021331</b>	4,825
200	10	10	10	10	0,5	10	I	<b>149F021332</b>	9,765
250	10	10	10	10	0,5	10	I	<b>149F021333</b>	16,790
300	10	10	10	10	0,5	10	I	<b>149F021334</b>	26,785

NB : PN16 version : Please consult us

### Important notice :

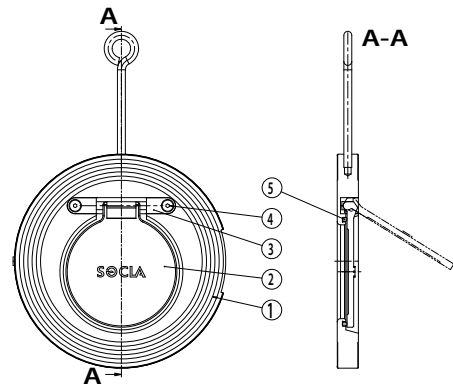
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

### Technical features

Operating temperature	-10 °C to 150 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Flanges drilled PN (see table)
Maximum service velocity	5m/s
Mediums	Clear liquids, sea water, salted and aggressive solutions

### Nomenclature and materials

N°	Description	Materials	EURO	ANSI
1	Body	Aluminium bronze	EN1982CuAl10Fe5Ni5-C GS	
2	Disc	Aluminium bronze	EN1982CuAl10Fe5Ni5-C GS	
3	Disc holding	Aluminium bronze	EN1982CuAl10Fe5Ni5-C GS	
4	Screw	Stainless steel	EN10088-3 X5CrNi18-10	AISI 304
5	Seal	FKM		



# Approvals



## International construction Standards :

Directive 2014/68/UE

Flange drilling according to EN 1092-2

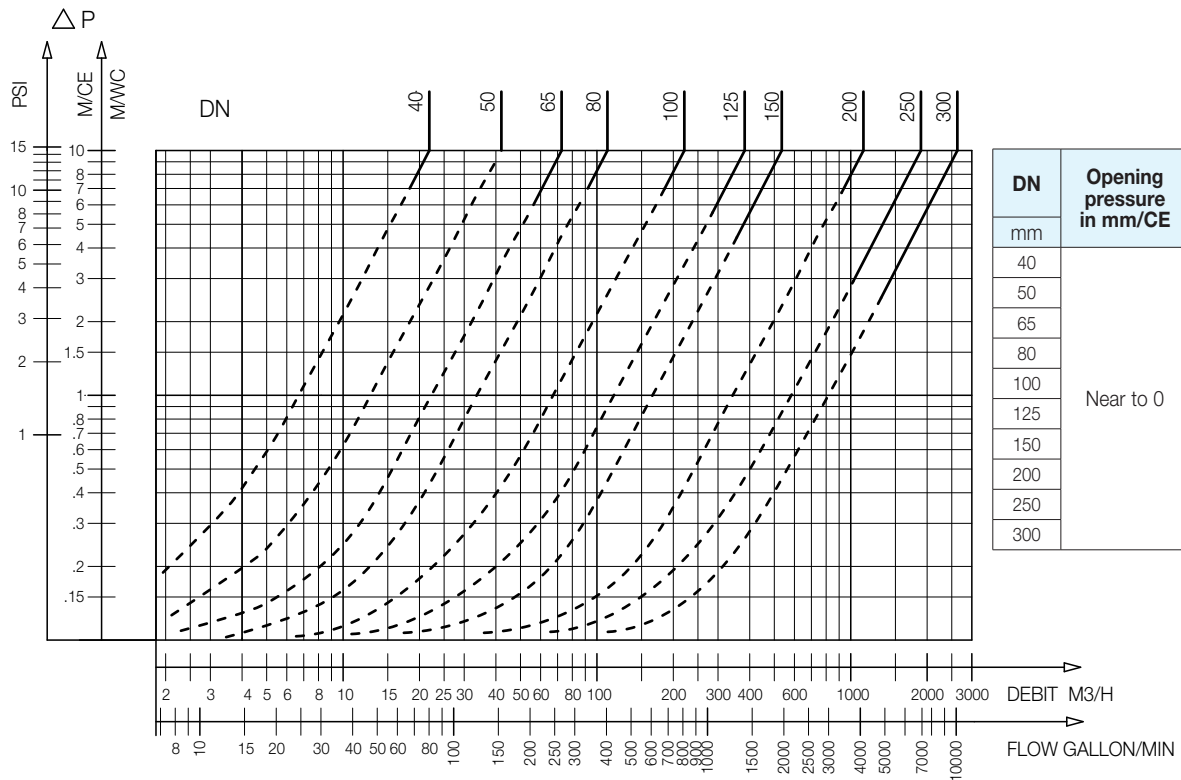
# Application

Sea water, saline and aggressive solutions, general industrial circuits.

# Operation

## Direction for use :

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



## Sizing

DN	A	D	E
mm	mm	mm	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

