

# 882

Non-return axial guided valve  
02 System

## Technical Data Sheet



## Description

A non-return valve is compatible with many types of fluids and can be adapted to a wide range of installations. However, each of these installations comes with their own particular constraints : mechanical, hydraulic, physical or chemical. The O2 system offers the best compromise between hydraulic performance, ruggedness, sealing-tightness and cost effectiveness with any kind of liquids (subject to a validation of our recommendation service).

Our valves meet the requirements of the Pressure Equipment Directive 2014/68/UE. This range extends from 65 to 250 mm. By its technology, it operates in any position for a lot of applications. It's compact and it doesn't generate hammering.



## 882

Non-return axial guided valve - O2 System

DN		PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
"	mm		L1	L2	G1	G2			
2 1/2	65	40	30	40	15	40	I	<b>149B3040</b>	2,7
2 1/2	65	40	40	40	40	40	II	<b>149B3040C2</b>	2,7
3	80	40	25	40	12	40	I	<b>149B3041</b>	4
3	80	40	40	40	40	40	II	<b>149B3041C2</b>	4
4	100	40	20	40	10	40	I	<b>149B3042</b>	6
4	100	40	40	40	40	40	II	<b>149B3042C2</b>	6
5	125	40	16	40	0,5	28	I	<b>149B3043</b>	7
5	125	40	40	40	28	40	II	<b>149B3043C2</b>	7
6	150	40	13	40	0,5	23	I	<b>149B3044</b>	11
6	150	40	440	40	23	33	II	<b>149B3044C2</b>	11
8	200	16	16	16	16	16	II	<b>149B3045*</b>	22
8	200	25	25	25	17	25	II	<b>149B007936**</b>	22
8	200	40	40	40	17	25	II	<b>149B007937***</b>	22
10	250	40	40	40	14	20	II	<b>149B3046****</b>	47
10	250	25	25	25	14	20	II	<b>149B007938**</b>	47

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

### Important notice :

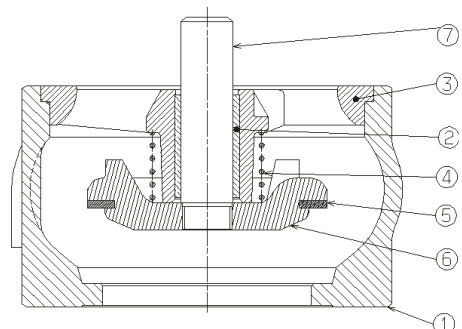
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site [www.socla.com](http://www.socla.com) or by requesting from our sales department.

### Technical features

Operating temperature	-10 °C to 100 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Between flanges PN (see table)
Mediums	Clear liquids, gas

### Nomenclature and materials

N°	Description	Materials	EURO	ANSI	
1	Body	Ductile 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	DN 65	Bronze	CuSn5Zn5Pb5-C	ASTM B 505
		Others DN	Cast iron / Epoxy	EN-GJL-250	ASTM A 48 35 B
7	Stem	Bronze	CuSn5Zn5Pb5-C	ASTM B 505	



## Approvals



**International construction Standards :**  
Directive 2014/68/UE  
Flange drilling according to EN 1092-2

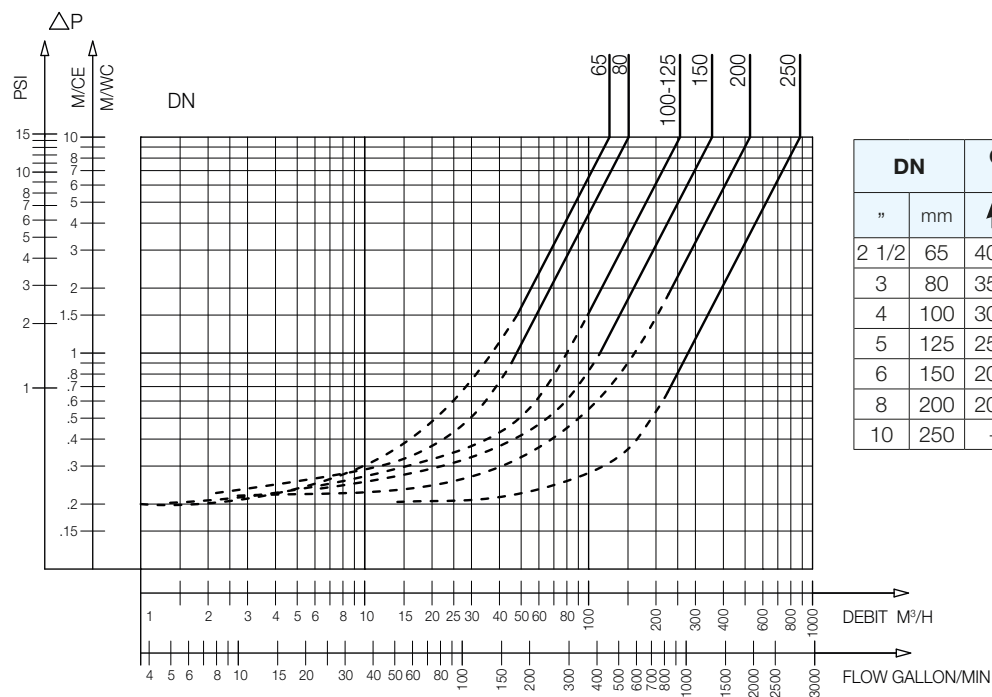
## Application

Booster pumps, supply, industry.

## Operation

**Direction for use :**

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

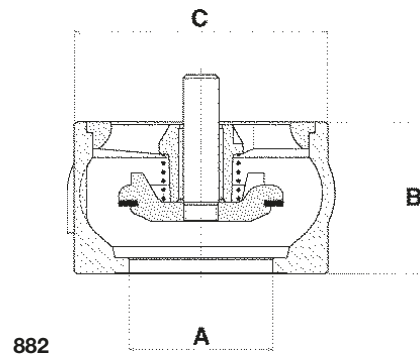


DN	Opening pressure in mm CE					Kv m³/H	ζ
	mm	↑	↓	↔	Without spring		
2 1/2	65	400	250	50	-	124,15	1,85
3	80	350	200	50	-	151,5	2,85
4	100	300	190	50	-	255,3	2,45
5	125	250	20	100	-	256,9	5,9
6	150	200	15	100	-	356,6	6,36
8	200	200	15	100	-	526,5	9,22
10	250	-	-	-	-	880,9	8

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## Sizing

A	B	C			
		PN 10/16	PN 25	PN 40	ASA 150
65	75	126	126	126	121
80	85	142	142	142	-
100	105	162	170	170	170
125	90	194	194	194	194
150	106	218	222	222	222
200	140	273	-	-	273
200	140	-	285	-	-
200	140	-	-	289	-
250	200	-	339	-	-
250	200	328	-	352	328



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The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

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