

412S

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 02 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 125 to 300 mm. By its technology, it operates in any position for a lot of applications. It's compact and it doesn't generate hammering.



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Non-return axial guided valve - 02 System

DN		PN	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
"	mm			L1	L2	G1	G2			
5	125	25/40	40	16	40	0,5	28	I	149B2254GS	20
6	150	25/40	40	13	40	0,5	23	I	149B2255GS	27,5
8	200	40	40	10	40	0,5	17	I	149F017096	49,2
10	250	40	40	10	40	0,5	14	I	149B2277GS	95
12	300	40	40	10	40	0,5	11	I	149B2278GS	130

Important notice :

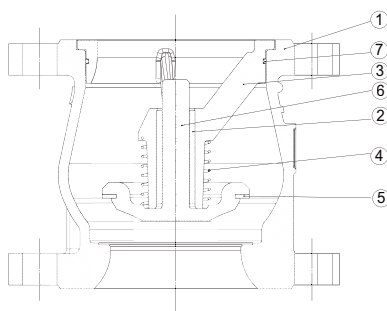
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site www.socla.com or by requesting from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

Technical features

Operating temperature	-10°C to 80°C, for temperatures over 80°C, consult us
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Flanges drilled PN (see table)
Mediums	Clear liquids, gas

Nomenclature and materials

N°	Description	Materials
1	Body	Ductile iron / Epoxy
2	Ring	Bronze
3	Guide	Cast iron / Epoxy
4	Spring	Stainless steel
5	Flat seal	EPDM
6	Plug	Bronze
7	O-ring (Except 12")	EPDM



Approvals

ACS

CE PED 2014/68/UE



International construction Standards :

Directive 2014/68/UE

Flange drilling according to EN 1092-2

Overall dimensions adapted to submersible pumps

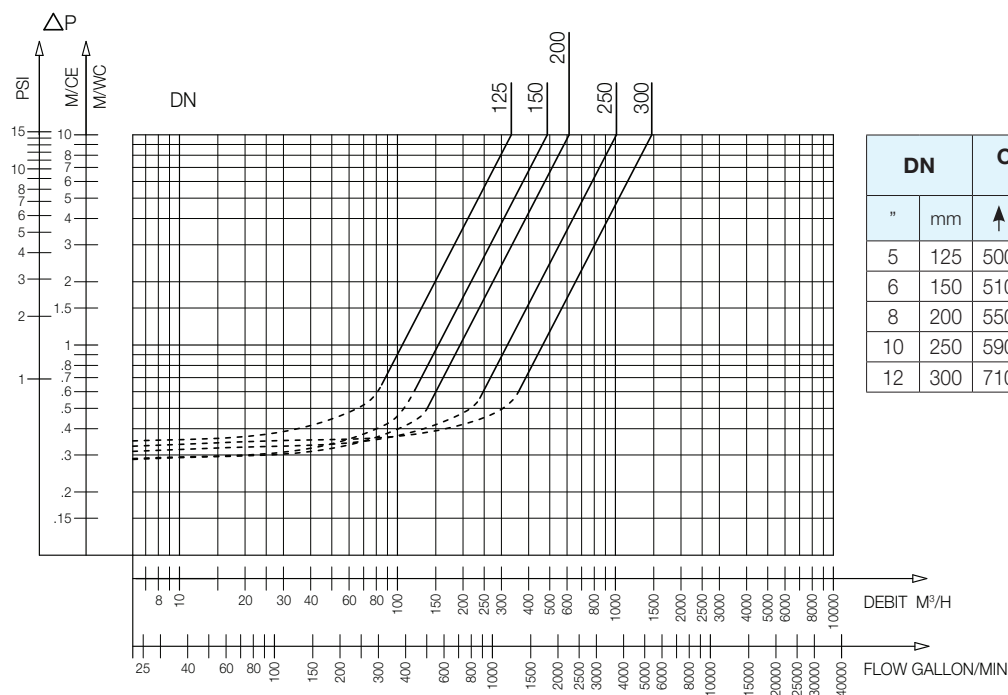
Application

Submersible pumps and high-pressure distribution.

Operation

Direction for use :

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

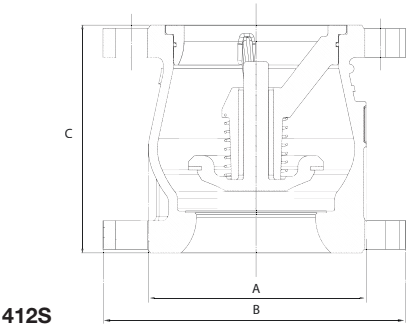


DN		Opening pressure in mm CE				Kv	ζ
"	mm	↑	↓	↔	Without spring	m³/H	
5	125	500	240	370	130	333,8	3,00
6	150	510	210	360	150	487,7	3,50
8	200	550	210	380	170	613	6,80
10	250	590	210	400	190	1011,35	6,10
12	300	710	210	460	250	1468,4	6,00

412S - Headloss chart

Sizing

DN		A	B	C
"	mm	mm	mm	mm
5	125	190	270	201
6	150	212	300	220
8	200	266	375	280
10	250	324	450	345
12	300	420	515	365



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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