

212

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 100 mm. By its technology, it operates in any position. It's compact and it doesn't generate hammering.



212

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	16	16	16	15	16	I	149B2454	2,7
3	80	16	16	16	12	16	I	149B2455	5,3
4	100	16	16	16	10	16	I	149B2456	8,7



Important notice :

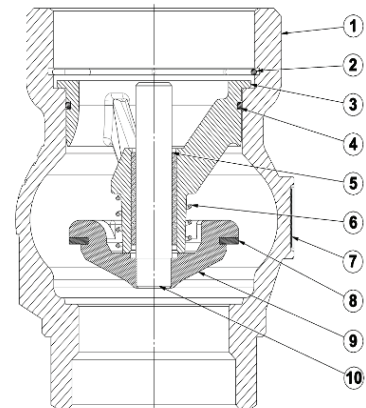
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site www.socla.com or by requesting from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

Technical features

Operating temperature	-10 °C to 100 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Male / female, G cylindrical gas thread (BSP)
Mediums	Clear liquids

Nomenclature and materials

N°	Désignation	Matériaux	EURO
1	Body	Cast iron/Epoxy	EN1561 EN-GJL-250
2	Rush	Stainless steel	EN 10270-3 X10CrNi18-8
3	Guide	Bronze (DN 2"1/2) Cast iron/Epoxy (DN 3-4")	EN 1982 CuSn5Zn5Pb2-C GS EN1561 EN-GJL-250
4	O'ring seal	EPDM	
5	Bush	Bronze (DN 3" et 4")	EN 1982 CuSn5Zn5Pb2-C GS
6	Spring	Stainless steel	EN 10270-3 X10CrNi18-8
7	Rating plate		
8	Seal	EPDM	
9	Closing system	Fonte/Epoxy (DN 4") Bronze (DN 2"1/2 et 3)	EN1561 EN-GJL-250 EN 1982 CuSn5Zn5Pb2-C GS
10	Stem	Bronze (DN 4")	EN 1982 CuSn5Zn5Pb2-C GS



Approvals



International construction Standards :

Directive 2014/68/UE
Overall dimensions adapted to submersible pumps
Thread connection NF EN ISO 228-1

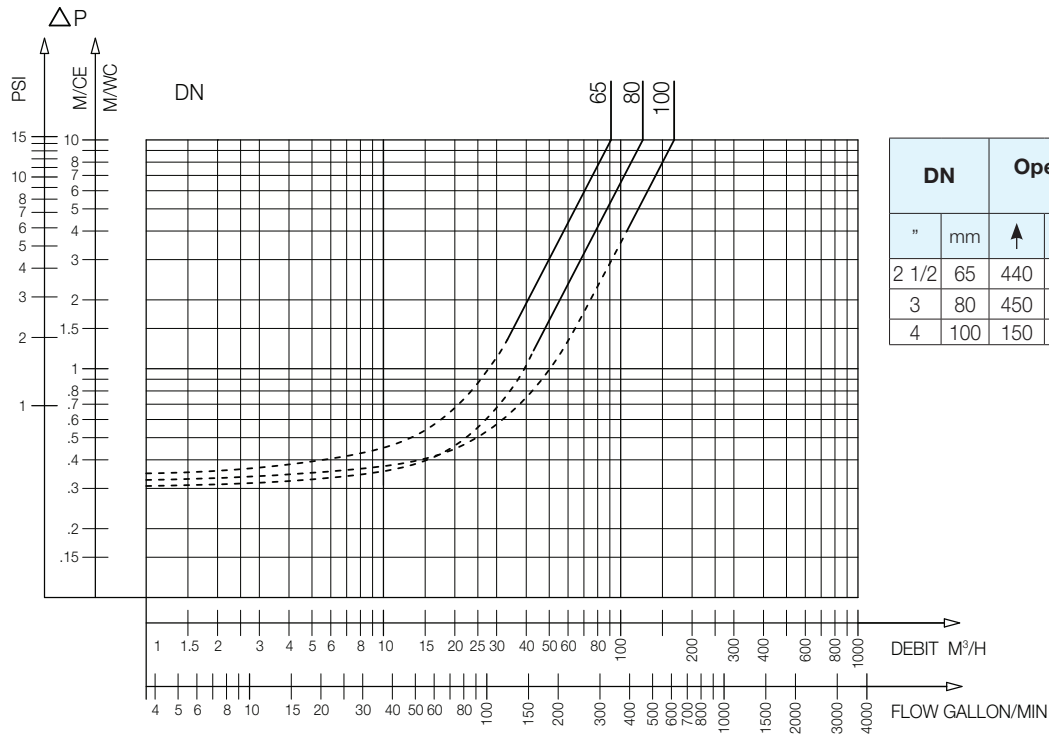
Application

Submersible pumps, water distribution.

Operation

Direction for use :

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

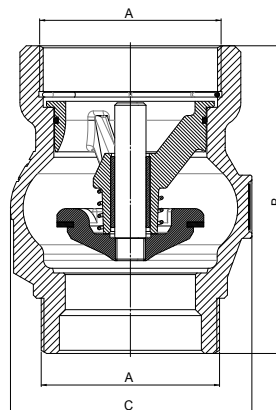


DN		Opening pressure in mm CE				Kv m³/H	ζ
"	mm	↑	↓	↔	Without spring		
2 1/2	65	440	220	330	110	91	3,44
3	80	450	190	320	130	124,65	4,21
4	100	150	190	320	130	168	5,66

212 - Headloss chart

Sizing

A		B	C
"	mm	mm	mm
2 1/2	65	139	99
3	80	165	127
4	100	195	152



212

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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