

Technical data sheet

Type 812XL

Non-return valve

W System

Applications and special features



- Operates in any position
- Easy to install and dismantle, space-saving
- Minimum head loss
- Does not generate hammering
- Closing system with back axial guiding and return spring; lateral guiding by 3 or 4 ribs (DN 32 to 100).
- Tightness with EPDM seal
- Using these check valves on networks equipped with piston pumps or compressors is not recommended.

Technical description

DN "	mm	PN	PFA en bar	PS en bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
1 ^{1/4}	32	40	40	40	40	30	40	I	149B 2423XL	
1 ^{1/2}	40	40	40	40	40	25	40	I	149B 2424XL	
2	50	40	40	40	40	20	40	I	149B 2425XL	
2 ^{1/2}	65	40	40	30	40	15	40	I	149B 2426XL	
3	80	40	40	25	40	12	40	I	149B 2427XL	
4	100	40	40	20	40	10	40	I	149B 2428XL	

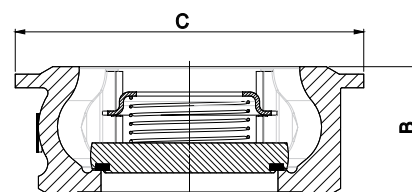
Important notice :

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.

- **Connections** : 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
- **θ** : Mini. -30°C
Maxi. +90°C (110°C on punctual use)
- **Mediums** : Clear liquids, steam
- **Leakage rate** : according to EN 12266-1 rate A
- **Approvals** : ACS PED 2014/68/EU
- **International construction Standards** :
 - CE Conformity Directive 2014/68/EU
 - Connection according to ASME B16.1 class 125FF
 - Connection according to ASME B16.5 class 150RF and 300RF
 - Connection according to EN 1092
 - Overall dimensions according to EN558-1 series 49

Overall dimensions

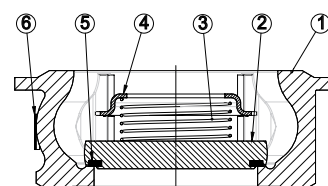
DN	B	C - PN6	C - PN10/16/ASA150	C - PN25/40/ASA300	Weight
"	mm	mm	mm	mm	kg
1 ^{1/4}	32	28	78	84	0,35
1 ^{1/2}	40	31,5	88	94	0,52
2	50	40	98	109	0,73
2 ^{1/2}	65	46	118	129	1,52
3	80	50	134	144	2,17
4	100	60	154	162	3,35



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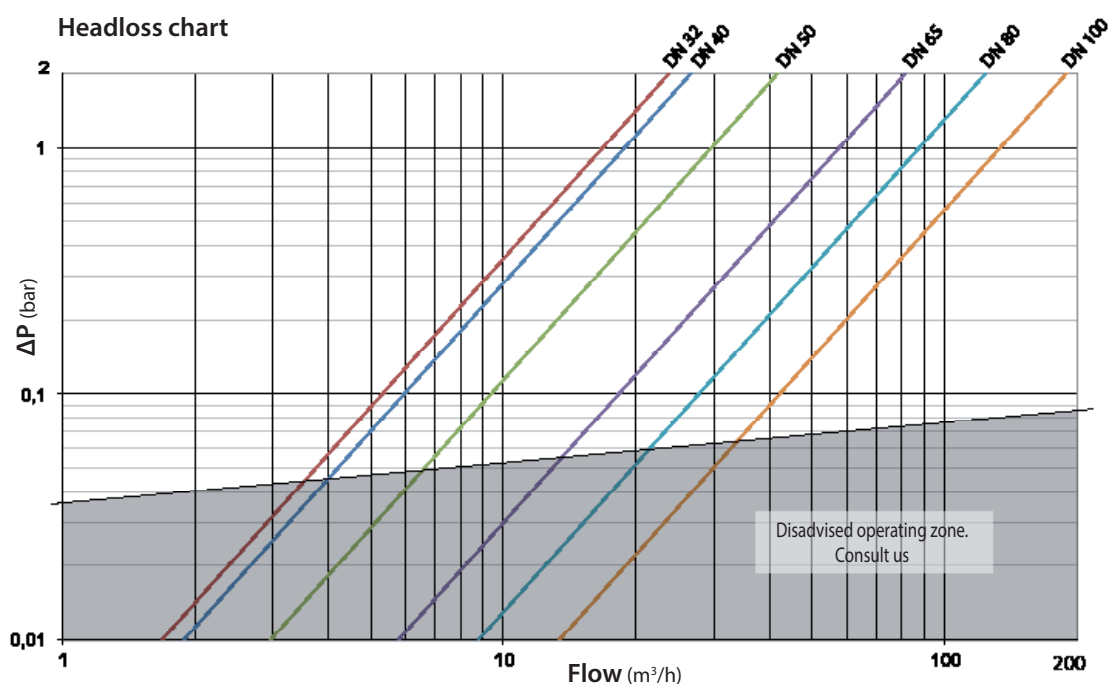
Spare parts list and materials

N°	Description	Materials	EURO	ANSI
1	CASING	Stainless steel	EN10213 GX2CrNiMo19-11-2 +AT	AISI 316L
2	CLOSING SYSTEM	Stainless steel	EN10088-3 X2CrNiMo17-12-2	AISI 316L
3	SPRING	Stainless steel	EN10088-3 X5CrNiMo17-12-2	AISI 316L
4	STOP / GUIDE	Stainless steel	EN10088-3 X2CrNiMo17-12-2	AISI 316L
5	SEAL	EPDM		
6	IDENTIFICATION LABEL			



Working principle

DN	"	mm	Opening pressure in mm/CE			Kv	ζ
			↑	↓	↔		
1 ^{1/4}	32	180	130	170	17,00	5,94	
1 ^{1/2}	40	220	120	170	19,00	11,52	
2	50	220	110	165	30,20	11,37	
2 ^{1/2}	65	180	100	165	58,50	8,56	
3	80	200	95	170	59,10	8,51	
4	100	240	75	215	137,10	8,96	



Nota : For operating speeds more than 5m/s, please consult us.

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