

Technical data sheet

Type 812XT 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 : disc with parabolic edges with return spring ; lateral guiding by 3 or 4 ribs.
- Metal/metal seal (grounded trim)
- Using these check valves on networks equipped with piston pumps or compressors is not recommended.
- Within an ATEX area, please check that the network is connected to the braid, do not use isolating pipes (PVC).

Technical description

DN "	PFA mm	PS en bar	PS en bar				Cat.	References	Vvs-nr
			L1	L2	G1	G2			
1/2	15	40	40	40	40	40	3.3	149B 2420XT	
1/2	15	40	40	40	40	40	II	149B027060*	
3/4	20	40	40	40	40	40	3.3	149B 2421XT	
3/4	20	40	40	40	40	40	II	149B027063*	
1	25	40	40	40	40	40	3.3	149B 2422XT	
1	25	40	40	40	40	40	II	149B027068*	
1 ^{1/4}	32	40	40	40	30	40	I	149B 2423XT	
1 ^{1/4}	32	40	40	40	40	40	II	149B 018837*	
1 ^{1/2}	40	40	40	40	25	40	I	149B 2424XT	
1 ^{1/2}	40	40	40	40	40	40	II	149B 018838*	
2	50	40	40	40	20	40	I	149B 2425XT	
2	50	40	40	40	40	40	II	149B 018839*	

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.

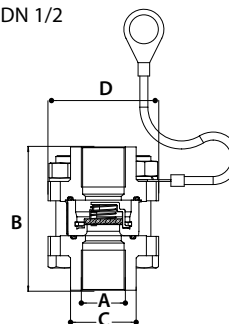
* : Equipped with a discharge anti-static braid

- **Connection** : Between flanges female/female, BSP threaded
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **Maximum Permissible pressure PS - other mediums:** See table
- **θ** Mini. -40 °C
Maxi. 200 °C
- **Mediums** : Clear liquids, steam
- **Leakage rate** : according to EN 12266-1 rate E
- **Approvals** : ACS
- **International construction Standards** :
CE Conformity Directive 97/23/CE
CE ATEX Conformity Directive 94/9/CE
Thread connection according to NFE 03 005 - ISO 228
Overall dimensions without nipples according to EN558-1 series 49

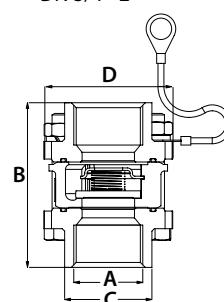
Overall dimensions

	A	B	C	D	Poids
"	mm	mm	mm	mm	kg
1/2	15	62,5	29,5	64,5	0,4
3/4	20	68,5	36	81	0,6
1	25	81	43	86	0,7
1 ^{1/4}	32	100	53	107	1
1 ^{1/2}	40	107	61	109	2,2
2	50	120	74	127	3,2

• DN 1/2



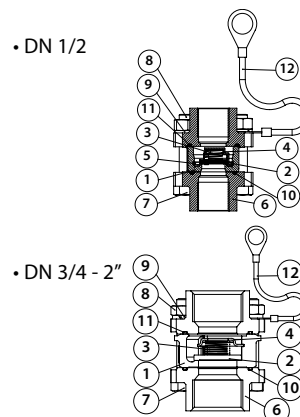
• DN 3/4 - 2"



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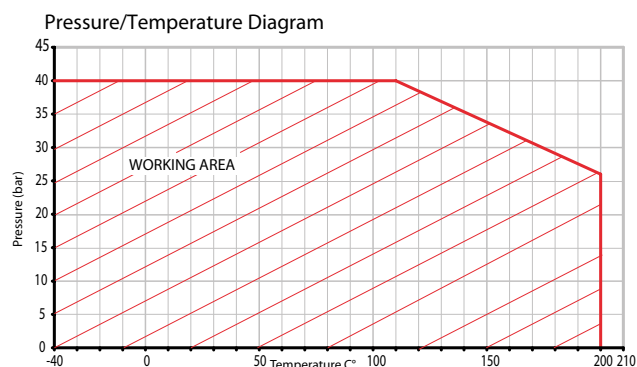
Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING DN1/2	Stainless steel	X2CrNiMo17-12-2	AISI 316L
	CASING DN 3/4 to 2"	Stainless steel	GX2CrNiMo19-11-2	AISI 316L
2	CLOSING SYSTEM	Stainless steel	X2CrNiMo17-12-2	AISI 316L
3	SPRING	Stainless steel	X2CrNiMo17-12-2	AISI 316L
4	STOP-GUIDE	Stainless steel	X2CrNiMo17-12-2	AISI 316L
5	CLIPS	Stainless steel	X2CrNiMo17-12-2	AISI 316L
6	COUNTER-FLANGE	Stainless steel	GX5CrNiMo19-11-2	AISI 316
7	SCREW	Stainless steel	X5CrNiMo17-12-2	AISI 316
8	NUT	Stainless steel	X5CrNiMo17-12-2	AISI 316
9	WASHER	Stainless steel	X5CrNiMo17-12-2	AISI 316
10	SEAL	PTFE		
11	SEAL	PTFE		
12	DISCHARGE ANTI-STATIC BRAID	Copper		



Working principle

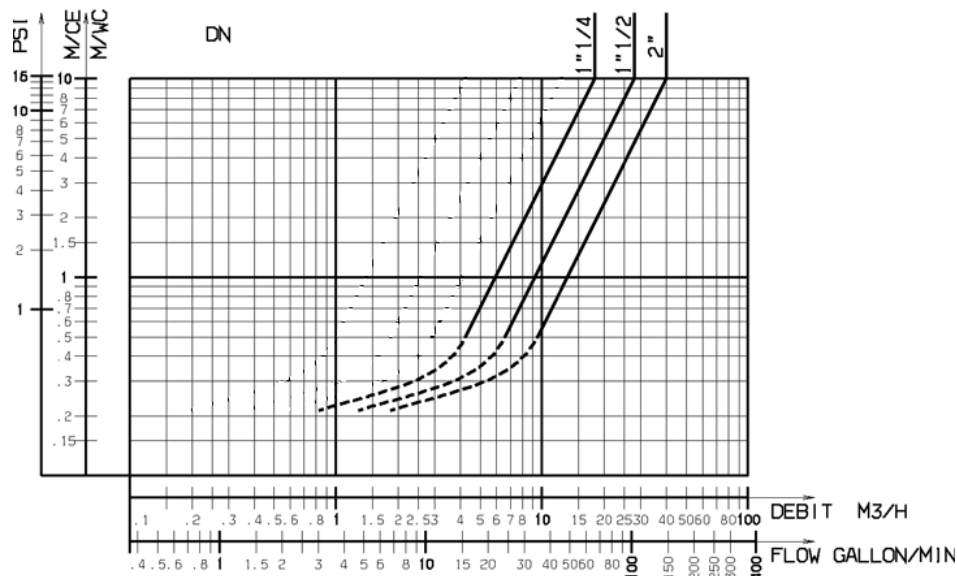
DN	"	mm	Opening pressure mm/WC				Kv	ζ
			↑	↓	↔	without spring		
1/2	15	160	120	140	20	4,24	4,4	
3/4	20	165	125	145	20	7,80	4,1	
1	25	165	115	140	25	12,40	4,0	
1 ^{1/4}	32	190	130	160	30	18,00	5,0	
1 ^{1/2}	40	200	120	160	40	28,00	5,1	
2	50	210	110	160	50	40,10	6,1	



Direction for use :

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

ΔP



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