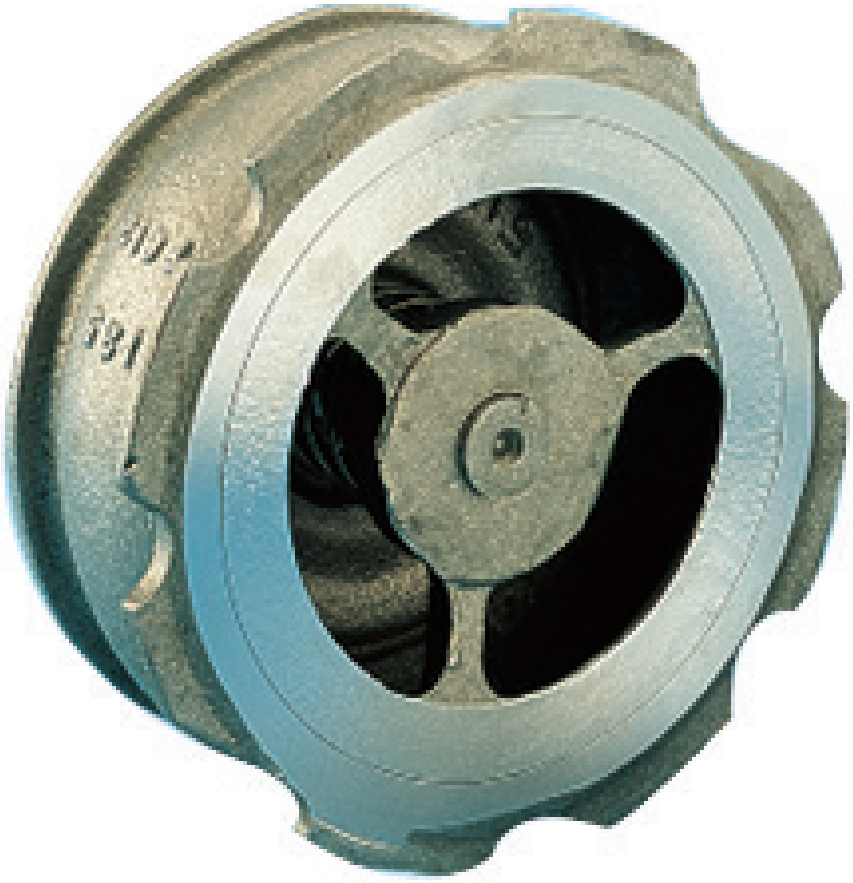
812XL

Non-return disc valves

System W

Technical Data Sheet



socla.com

SOCLA

A WATTS Brand

SOCLA
A WATTS Brand

Description

- 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

812XL

Non-return disc valves - System W



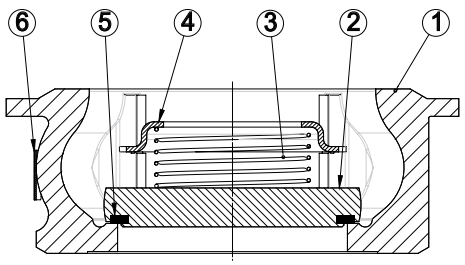
DN		PN	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
"	mm			L1	L2	G1	G2			
1	25	40	40	40	40	20	40	I	**149b2422XL**	0,24
1 1/4	32	40	40	40	40	30	40	I	**149B2423XL**	0,35
1 1/2	40	40	40	40	40	25	40	I	**149B2424XL**	0,52
2	50	40	40	40	40	20	40	I	**149B2425XL**	0,73
2 1/2	65	40	40	30	40	15	40	I	**149B2426XL**	1,52
3	80	40	40	25	40	12	40	I	**149B2427XL**	2,17
4	100	40	40	20	40	10	40	I	**149B2428XL**	3,35
5	125	40	40	16	40	0,5	23	I	**149B2429XL**	8,75
6	150	40	40	13	40	0,5	23	I	**149B2430XL**	15
8	200	16	16	16	16	16	16	II	**149B2431XL**	26,5

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	Between flanges PN (see table)
Mediums	Clear liquids, steam
Leakage rate	According to EN 12266-1 rate A

Nomenclature and materials



N°	Description	Materials	EURO	ANSI
1	Body	Stainless steel	EN10213 GX2CrNiMo19-11-2 +AT	AISI 316L
2	Closing sytem	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			

Approvals

ACS CE PED 2014/68/UE

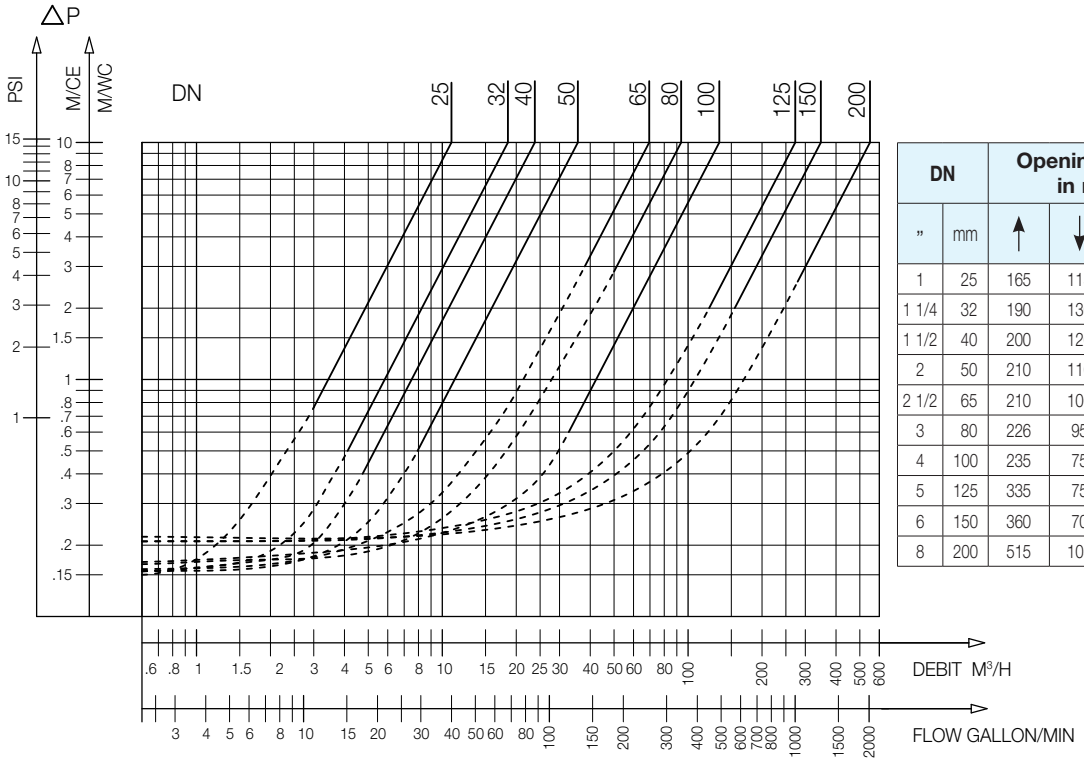
International construction Standards :
Directive 2014/68/UE
Connection ASME B16.1 class 125FF
Connection ASME B16.5 class 150RF and class 300RF
Connection according to EN 1092
Overall dimensions according to EN 558.1 series 49

Application

Industry, chemical applications, high pressure, high temperature, steam service.
Use of these valves on circuits equipped with piston pump or piston compressor is not recommended.

Operation

Direction for use :
• Solid line: Valve completely open • Dotted line: opening stage of valve

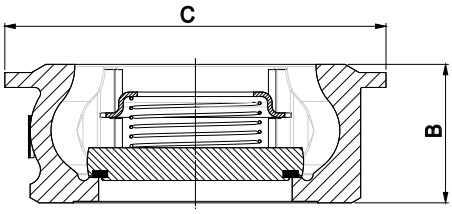


DN		Opening pressure in mm/CE				Kv	ζ
"	mm	↑	↓	↔	Whithout spring	m³/H	
1	25	165	115	140	25	10,90	5,30
1 1/4	32	190	130	160	30	18,5	4,90
1 1/2	40	200	120	160	40	23,8	7,25
2	50	210	110	155	50	35,6	7,90
2 1/2	65	210	100	155	55	69,5	5,90
3	80	226	95	160	65	93,7	7,45
4	100	235	75	205	80	134	8,90
5	125	335	75	205	130	273,85	5,20
6	150	360	70	215	145	347,40	6,70
8	200	515	105	310	205	549,70	8,50

812XL - Headloss chart

Sizing

DN		B	C - PN6	C - PN10/16 ASA150	C - PN25/40 ASA300
"	mm	mm	mm	mm	mm
1	25	22	64	73	73
1 1/4	32	28	78	84	84
1 1/2	40	31,5	88	94	94
2	50	40	98	109	109
2 1/2	65	46	118	129	129
3	80	50	134	144	144
4	100	60	154	162	170
5	125	90		192	192
6	150	106		218	224
8	200	140	262	273	



812XL

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.
Socla reserves the right to carry out any technical and design improvements to its products without prior notice. Warranty : All sales and contracts for sale are expressly conditioned on the buyer's assent to Socla terms and conditions found on its website at www.socla.com. Socla hereby objects to any term, different from or additional to Socla terms, contained in any buyer communication in any form, unless agreed to in a writing signed by an officer of Socla.

A WATTS Brand

Socla sas
365 rue du Lieutenant Putier • 71530 Virey-Le-Grand • France
Tel. +33 03 85 97 42 00 • Fax +33 03 85 97 42 42
contact@wattswater.com • www.socla.com
ISO 9001 version 2015 / ISO 18001

© 2022 Socla