

190D

Non-return foot valve
TJO System

Technical Data Sheet



Description

This non-return foot valve is designed for clear water pumping systems with substantial flow, requiring large valves for supply systems. It guarantees excellent hydraulic performance.

- Operates in any position from horizontal to vertical ascending
- Reliable, robust, simple
- Minimum head loss
- Closing system : tripod formation with hydraulic profile release spring
- Sealing ensured by a pliable O-ring on a rigid seat
- Long axial guiding
- Non incrustable materials



190D

Non-return foot valve - TJO system

DN		PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
"	mm		L1	L2	G1	G2			
3/8	12	10	10	10	x	x	4.3	149B3719	0,012
1/2	15	10	10	10	x	x	4.3	149B3720	0,017
3/4	20	10	10	10	x	x	4.3	149B3721	0,044
1	25	10	10	10	x	x	4.3	149B3722	0,055
1 1/4	32	10	10	10	x	x	4.3	149B3723	0,075
1 1/2	40	10	10	10	x	x	4.3	149B3724	0,125
2	50	10	10	10	x	x	4.3	149B3725	0,165

Important notice :

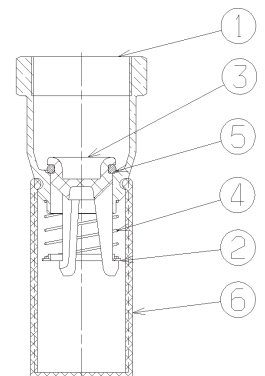
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our website www.socla.com or by simple request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

Technical features

Operating temperature	-10 °C to 60 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Female, BSP or NPT
Mediums	Clear liquids, hard water, sea water, some chemical products (consult us)

Nomenclature and materials

N°	Description	Materials	EURO	ANSI
1	Body	POM (polyacetal)		
2	Ring	POM (polyacetal)		
3	Closing system	DN 3/8" - 1/2" Others DN		
4	Spring	Stainless steel	X10CrNi18-8	AISI 302
5	Seal	EPDM		
6	Strainer	DN 3/8" - 1/2" Others DN		





International construction Standards :

Directive 2014/68/UE

Thread connection NF EN ISO228-1

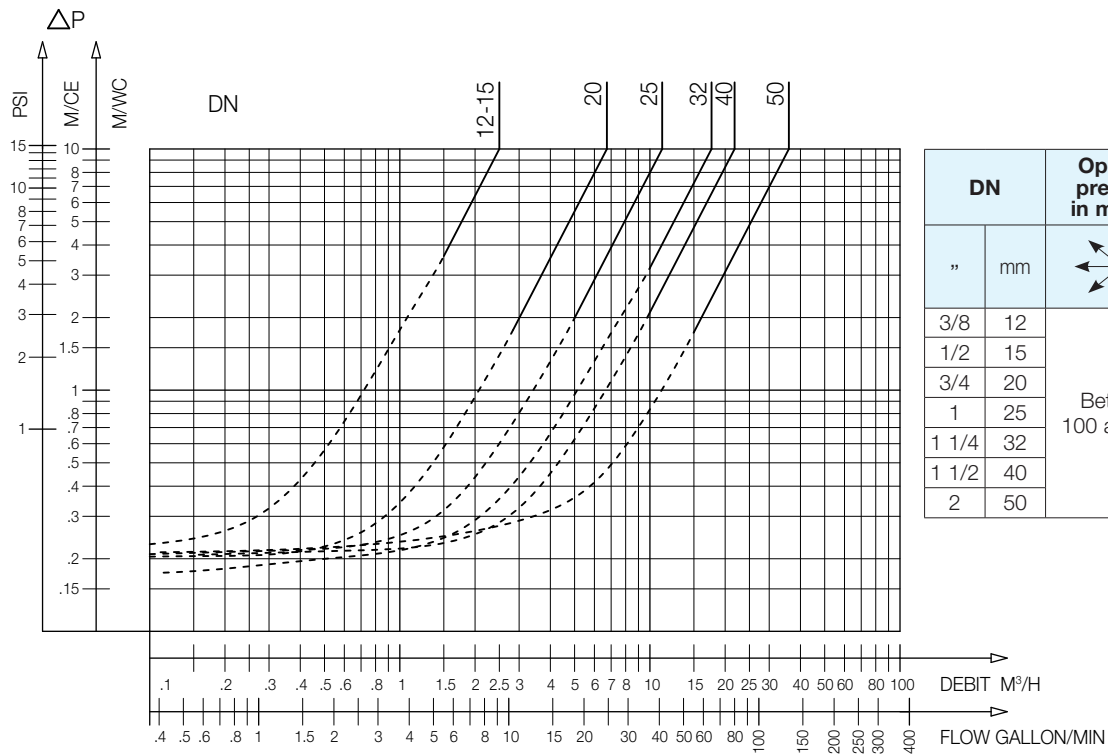
Application

Construction, pumping.

Operation

Direction for use :

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



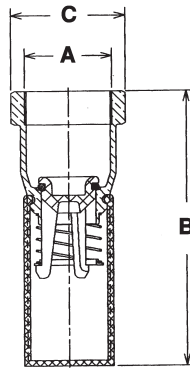
DN		Opening pressure in mm/CE	Kv	ζ
"	mm		m³/H	
3/8	12	Between 100 and 250	2,67	2,67
1/2	15		2,34	2,34
3/4	20		6,73	6,73
1	25		11,20	11,2
1 1/4	32		17,64	17,64
1 1/2	40		21,81	21,81
2	50	35,94	35,94	

190 D - Headloss chart

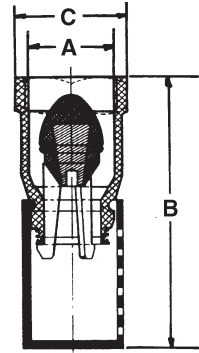
Sizing

A		B	C
"	mm	mm	mm
3/8	12/17	56	23
1/2	15/21	56	27
3/4*	20/27	75	31
1	26/34	95	40
1 1/4*	33/42	119	49
1 1/2*	40/49	148	56
2*	50/60	180	66

190D*
 Ø 3/4 - 1 1/4
 1 1/2 - 2



190D
 Ø 3/8 - 1/2
 1



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