

Technical data sheet

Type 190

Foot valve
System TJO

Applications and special features



- Operates in any position from horizontal to vertical ascending
- 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

Technical description

DN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
1 ^{1/2}	40	10	10	x	x	3.3	149B 3924	
2	50	10	10	x	x	3.3	149B 3925	

Important notice:

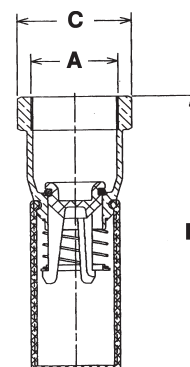
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

The operating instructions are available on our web site www.danfoss-socla.com or by requesting from our sales department.

- **Connection** : Female, (BSP)
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **Maximum permissible pressure PS - other mediums:** See table
- **T°** : Mini. -10 °C
Maxi. 60 °C
- **Mediums** : Clear liquids
- **Approvals** : VERITAS (France), ACS (France)
- **International construction Standards** :
Directive 97/23/CE
Thread connection NFE 03-005 ISO228

Overall dimensions

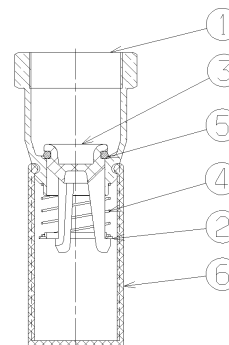
	A	B	C	Weight
"	mm	mm	mm	kg
1 ^{1/2}	40/49	148	53	0,320
2	50/60	179	66	0,820




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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Brass	CuZn35Pb2A1-C	
2	RING	POM (polyacetal)		
3	CLOSING SYSTEM DN3/4"	POM (polyacetal)		
	Others DN	PA (polyamid)		
4	SPRING	Stainless steel	X10CrNi18-8	AISI 302
5	SEAL	EPDM		
6	STRAINER	PE (polyethylene)		

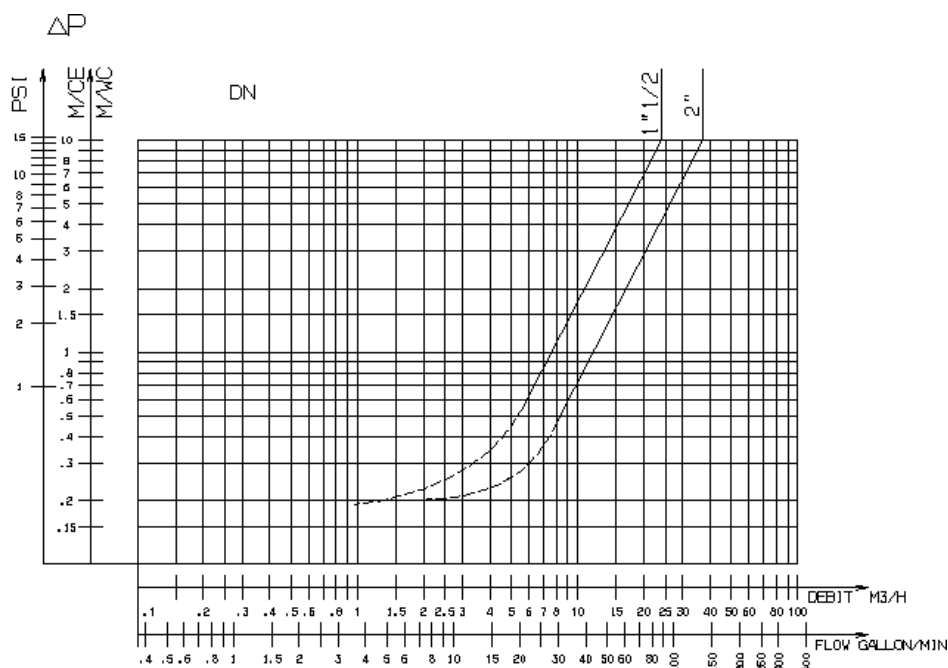


Working principle

DN		Opening pressure in mm/CE	Kv	ζ
"	mm		m ³ /H	
1 1/2	40	between 100 and 250	30,60	4,3
2	50		48,50	4,1

Directions for use :

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



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