

Technical data sheet

Type 190D

Foot valve
System TJO

Applications and special features



- 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

Technical description

DN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
3/8	12	10	10	10	x	x	3.3	149B 3719
1/2	15	10	10	10	x	x	3.3	149B 3720
3/4	20	10	10	10	x	x	3.3	149B 3721
1	25	10	10	10	x	x	3.3	149B 3722
1 ^{1/4}	32	10	10	10	x	x	3.3	149B 3723
1 ^{1/2}	40	10	10	10	x	x	3.3	149B 3724
2	50	10	10	10	x	x	3.3	149B 3725

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 or NPT)
- **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, hard water, sea water, some chemical products (consult us)
- **Approvals** : VERITAS (France), ACS (France)
- **International construction Standards** :
Directive 97/23/CE
Thread connection NFE 03-005 ISO228

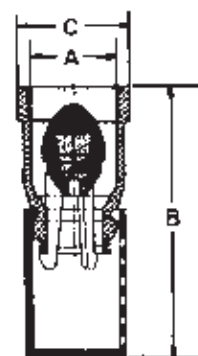
Overall dimensions

"	A		B	C	Weight
	mm	mm	mm	mm	kg
3/8	12/17	56	23	0,015	
1/2	15/21	56	27	0,020	
* 3/4	20/27	75	31	0,044	
1	26/34	95	40	0,073	
* 1 ^{1/4}	33/42	119	49	0,125	
* 1 ^{1/2}	40/49	148	56	0,170	
* 2	50/60	180	66	0,190	

* Drawing 1



• Drawing 1

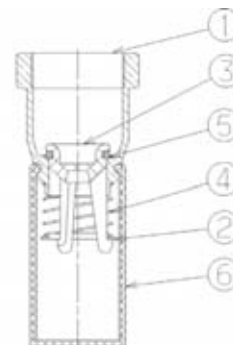


• Drawing 2

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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	POM (polyacetal)		
2	RING	POM (polyacetal)		
3	CLOSING SYSTEM DN 3/8-1/2 OTHER DN	PA 12 (Polyamid) POM (Polyacetal)		
4	SPRING	Stainless steel	X10CrNi18-8	AISI 302
5	SEAL	EPDM		
6	STRAINER	PE (polyethylene)		

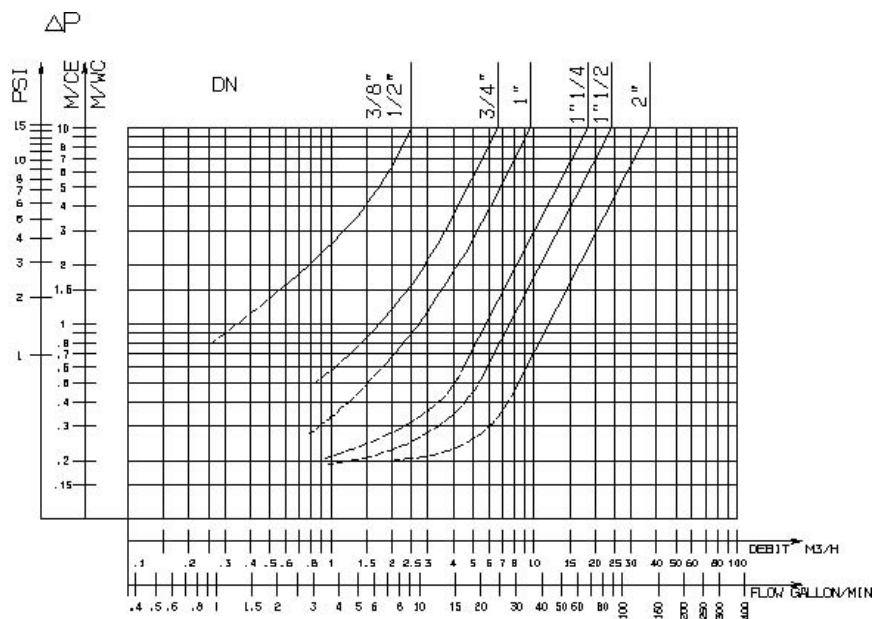


Working principle

DN		Opening pressure in mm/CE	Kv	ζ
"	mm			
			m ³ /H	
3/8	12	Between 100 and 250	2,90	1,90
1/2	15		2,90	9,60
3/4	20		7,60	4,30
1	25		11,20	4,90
1 ^{1/4}	32		21,40	3,60
1 ^{1/2}	40		27,80	5,20
2	50		41,10	5,80

Directions for use :

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



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