

# Technical data sheet

## Type 60S

Foot valve

System FL

### Applications and special features



- Operates in any position
- Reliable, robust, simple
- Minimum head loss
- Closing system : four legs reinforced guide, release spring anti-rotation
- Perfect sealing at high as well as at low pressure
- Long axial guiding

### Technical description

DN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
3/4	20	16	16	16	x	x	3.3	149B 4101B
1	25	16	16	16	x	x	3.3	149B 4102B
1 <sup>1/4</sup>	32	16	16	16	x	x	3.3	149B 4103B
1 <sup>1/2</sup>	40	16	16	16	x	x	3.3	149B 4104B
2	50	16	16	16	x	x	3.3	149B 4105B
2 <sup>1/2</sup>	65	16	16	16	x	x	3.3	149B 4106B
3	80	16	16	16	x	x	3.3	149B 4107B
4	100	16	16	16	x	x	3.3	149B 4108B

#### Important notice :

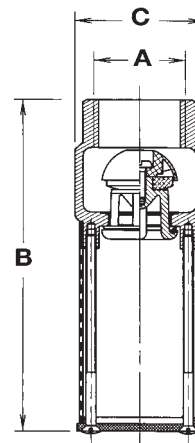
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

The operating instructions are available on our web site [www.danfoss-socla.com](http://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. 80 °C
- **Mediums** : Clear liquids, hydrocarbons
- **Approvals** :
- **International construction Standards** :  
Directive 97/23/CE  
Thread connection NFE 03-005 ISO228

### Overall dimensions

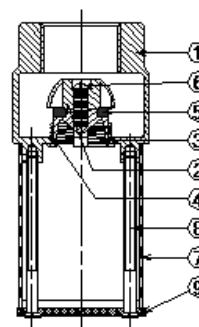
	A	B	C	Weight
"	mm	mm	mm	kg
3/4	20/27	77	32	0,14
1	26/34	123	44	0,28
1 <sup>1/4</sup>	33/42	126	50	0,37
1 <sup>1/2</sup>	40/49	135	59	0,73
2	50/60	143	71	0,95
2 <sup>1/2</sup>	66/76	197	90	2,73
3	80/90	242	112	4,68
4	102/114	260	145	8,64



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### Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Bronze	CuSn5Zn5Pb5-C	ASTM B 505
2	CLOSING SYSTEM DN3/4 to 2"	POM (polyacetal)		
	DN2 <sup>1/2</sup> to 4"	Bronze	CuSn5Zn5Pb5-C	ASTM B 505
3	GUIDE DN3/4 to 2"	POM (polyacetal)		
	DN2 <sup>1/2</sup> to 4"	Bronze	CuSn5Zn5Pb5-C	ASTM B 505
4	SPRING	Stainless steel	X10CrNi18-8	AISI 302
5	SEAL	NBR		
6 / 8	SCREWS	Stainless steel	X5CrNi18-10	AISI 304
7	STRAINER	Stainless steel	X5CrNi18-10	AISI 304
9	BOTTOM DN3/4 to 2"	PE (polyethylene)		
	DN2 <sup>1/2</sup> to 4"	Bronze	CuSn5Zn5Pb5-C	ASTM B 505



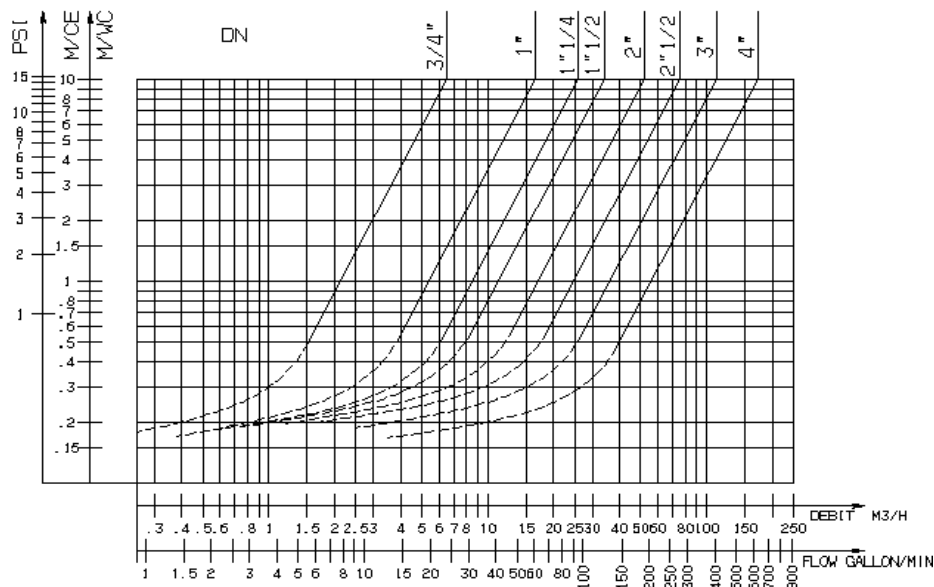
### Working principle

DN		Opening pressure in mm/WC	Kv	ζ
"	mm			
3/4	20	 Between 100 and 250	6,50	5,90
1	25		16,50	2,24
1 <sup>1/4</sup>	32		26,00	2,40
1 <sup>1/2</sup>	40		34,00	3,50
2	50		52,00	3,60
2 <sup>1/2</sup>	65		75,00	5,00
3	80		111,00	5,20
4	100		171,00	5,36

#### Directions for use :

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

ΔP



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