TECHNICAL DATASHEET

Update 11/2021

CAST IRON Y STRAINER FLANGED PN 10/16 DIN 3202-1 F1

Reference(s)
72SF1B2 - 72SD1B2
72SF0B2 - 72SD0B2
72SD1BP2 - 72SD0BP2

CERTIFICAT 3.1 sur demande



References	Working pressure	∅ DN																	
		15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
72SF1B2	16 bar	●	●	●	●	●														
72SD1B2	16 bar						●	●	●	●	●	●	●							
72SD0BP2	10 bar													●	●					
72SD1BP2	16 bar												●							
72SF0B2	10 bar															●	●	●	●	●
72SD0B2	10 bar													●	●					

1. Standards

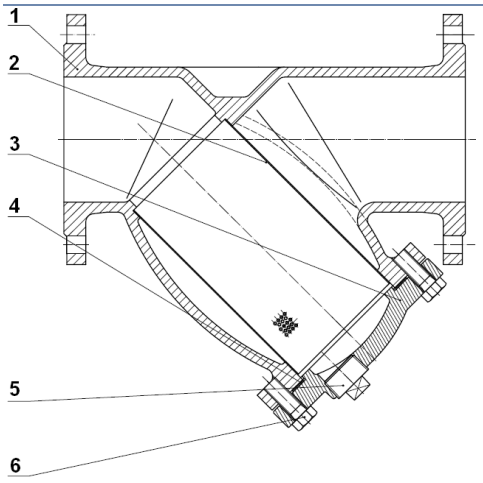
- ✓ Manufacturer certified ISO 9001 : 2015
- ✓ DIRECTIVE 2014/68/EU : Product excluded from directive (Article 4, § 3)
- ✓ Certificate 3.1 on request
- ✓ Length according to EN 558 series 1 (DIN 3202-1 F1, NF 29354)
- ✓ R.F. flanges according to EN 1092-2 PN10/16

2. Features

Use :	For water distribution, heating, watering, irrigation
Size :	DN15 to DN600
Connection :	Flanges RF PN10/16
Min Temperature :	-10°C
Max Temperature :	+120°C
Max Pressure :	16 Bars up to DN200 (10 bars over)
Specifications :	16 Bars up to DN200 (10 bars over) Removable stainless steel filter Bolted bonnet with draining cap Alkyd painting
Materials :	Ductile iron EN GJS-500-7 (from DN50 to 300)

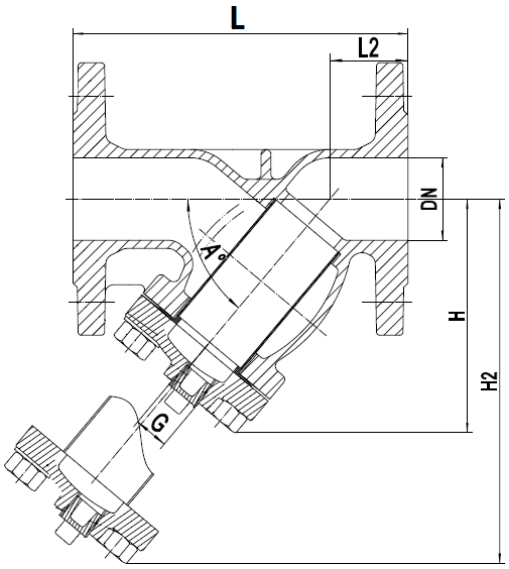
Information provided as an indication and subject to possible modification

3. Materials

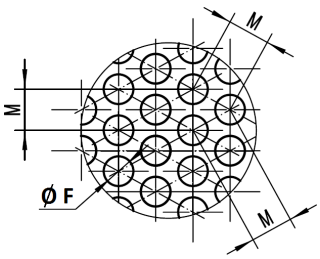


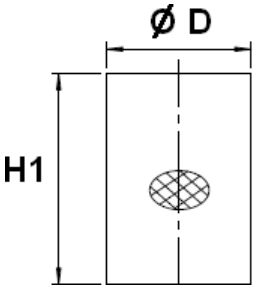
Item	Designation	Materials from DN15 to 40 and from DN350 to 600	Materials from DN50 to DN300
1	Body	Cast iron EN GJL-250	Ductile iron EN GJS-500-7
2	Screen	AISI 304	AISI 304
3	Bonnet	Cast iron EN GJL-250	Ductile iron EN GJS-500-7
4	Bonnet gasket	Graphite	Graphite
5	Draining cap	Brass	Brass
6	Bonnet screw	Steel Rst 37-2	Steel Q235

4. Size (in mm)



Filter size (mm)



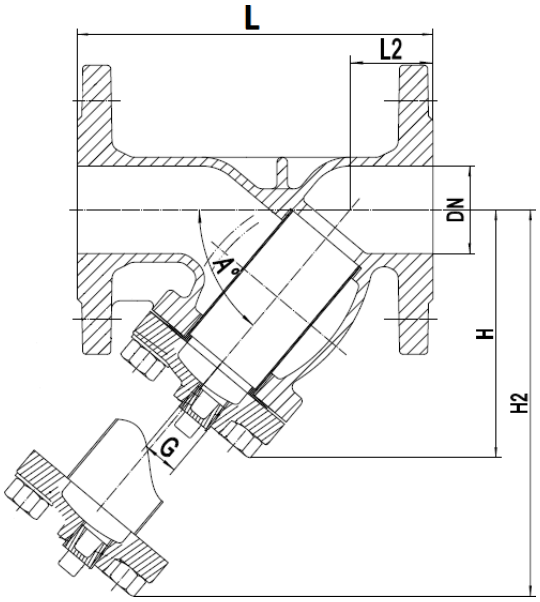


Réf.	72SF1B2					72SD1B2						72SD1BP2 (PN16)
DN	15	20	25	32	40	50	65	80	100	125	150	200
L	130	150	160	180	200	230	290	310	350	400	480	600
L2	39	38	38	43	53.5	70	94	95	97.5	109.5	136.5	189.5
H	76	90	108	117	132	123	148	163	208	248	276	355
H2	112	138	161	186	213	192	234	270	339	400	450	577
A (°)	50	50	50	50	50	55	55	55	55	55	55	55
G (drain)	1/4"	1/4"	1/4"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Ø D	16	22	28	35	41	54	69	85	105	132.5	159.5	212.5
H1	46	60	72	86	101	79	100	119	152	179	202	265
Mesh (Ø F)	1.2					1.5					2	2.5
M	2.4					2.5					3	4
Weig. (Kg)	2.2	3	3.7	5.8	7.1	8.5	11.4	14.2	20.5	31.2	40.2	68

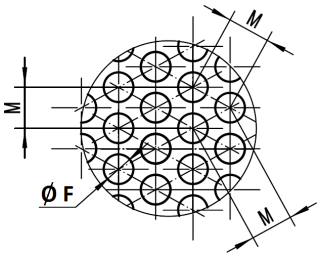
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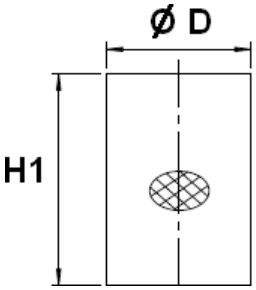
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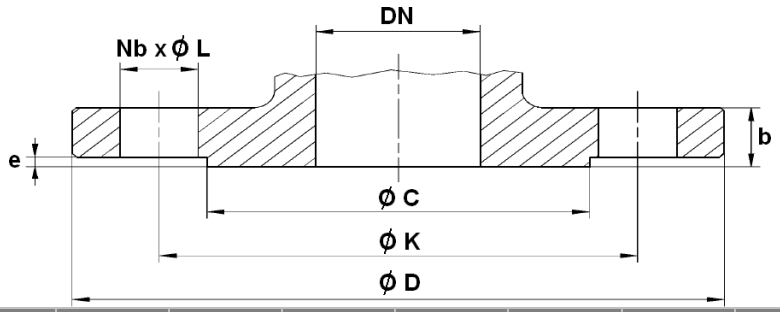
Filter size (mm)





Ref.	72SD0PB2 72SD0B2		72SF0B2				
DN	250	300	350	400	450	500	600
L	730	850	980	1100	1200	1250	1450
L2	217.5	250.5	238.6	236.9	300	325	425
H	458	530	648	759	784	856	988
H2	744	878	1024	1211	1260	1385	1585
A (°)	55	55	45	45	50	50	50
G (drain)	1/2"	1/2"	1/2"	1/2"	3/4"		
Ø D	258	307	353	403	460	510	610
H1	344	420	540	650	617	683	779
Mesh (Ø F)	3	3	1.5	1.5	5	5	5
M	5		2.5		7	7	7
Weig. (Kg)	106	146	312	420	510	640	1072

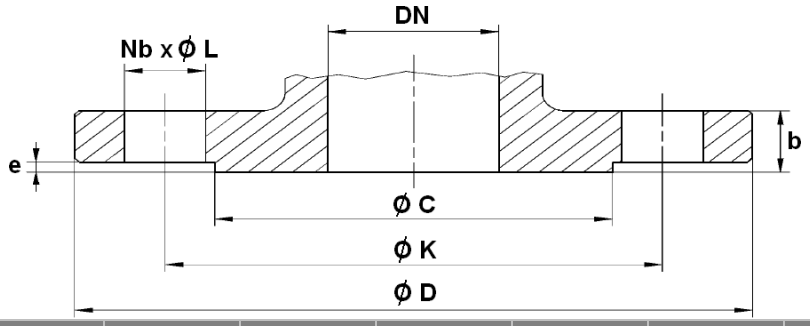
Flanges size PN10/16 (in mm)



DN	15	20	25	32	40	50	65	80	100	125	150
Ø C	46	56	65	76	84	99	118	132	156	184	211
Ø D	95	105	115	140	150	165	185	200	220	250	285
Ø K	65	75	85	100	110	125	145	160	180	210	240
Nb x Ø L	4 x 14	4 x 14	4 x 14	4 x 19	4 x 19	4 x 19	4 x 19	8 x 19	8 x 19	8 x 19	8 x 23
b	14	16	16	18	18	19	19	19	19	19	19
e	2	2	3	3	3	3	3	3	3	3	3

Information provided as an indication and subject to possible modification

Flanges size PN10 (in mm)



DN	200	250	300	350	400	450	500	600
Ø C	266	319	370	429	480	530	582	682
Ø D	340	405	460	520	580	640	715	840
Ø K	295	350	400	460	515	565	620	725
Nb x Ø L	8 x 23	12 x 23	12 x 23	16 x 23	16 x 28	20 x 28	20 x 28	20 x 31
b	20	22	24.5	36	38	40	42	48
e	3	3	4	4	4	4	4	5

Flanges size PN16 (in mm)

DN	200	250	300
Ø C	266	319	370
Ø D	340	405	460
Ø K	295	355	410
Nb x Ø L	12 x 23	12 x 28	12 x 28
b	20	22	24.5
e	3	3	4

5. Installation positions

Vertical position (descendand fluid)



Horizontal position



Information provided as an indication and subject to possible modification

General guidelines

- ✓ Ensure that the strainers to be used are appropriate for the conditions of the installation (type offluid,pressure and temperature).
- ✓ Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriateequipment for maintenance and repair.
- ✓ Ensure that the strainers to be installed are of correct strenght to be able to support the capacity of theirusage.
- ✓ **Installation of all circuits should ensure that their function can be automatically tested on a regularbasis (at least two times a year).**

Installation instructions

- ✓ **Before installing the strainers, clean and remove any objects from the pipes** (in particular bits ofsealing and metal) which could obstruct and block the strainers.
- ✓ Ensure that both connecting pipes either side of the strainer (upstream and downstream) arealigned (if they're not, the strainer may not work correctly).
- ✓ **Make sure that the two sections of the pipe (upstream and downstream) match, the strainer unit willnot absorb any gaps. Any distortions in the pipes may affect the thightness of the connection, the working of the strainer and can even cause a rupture.** To be sure, place the kit in position to ensure theassembling will work.
- ✓ Make sure flanges are cleaned.
- ✓ If sections of piping do not have their final support in place, they should be temporarily fixed. Thisis to avoid unnecessary strain on the strainer.
- ✓ Tighten the bolts in cross.
- ✓ The pressurisation must be increased gradually.
- ✓ So that the maintenance operations could be easily done, place a stop valve before and after the strainer.Thereby, the strainer could be isolated. During this operation, ensure to have a new bonnet gasket to avoida leakage during the restarting.
- ✓ **Fluids in the strainer must not contain solid objects (it could damaged the seat).**

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