

**REF. 220**

**CAST IRON Y STRAINER FLANGED PN 10/16**



Size : DN 15 to DN 400  
Ends : Flanges GN10/16  
Min Temperature : - 10°C  
Max Temperature : + 120°C  
Max Pressure : 16 Bars up to DN 200 ( 10 bars over )  
Specifications : Removable stainless steel filter  
Bolted bonnet with draining cap

Materials : Cast iron body

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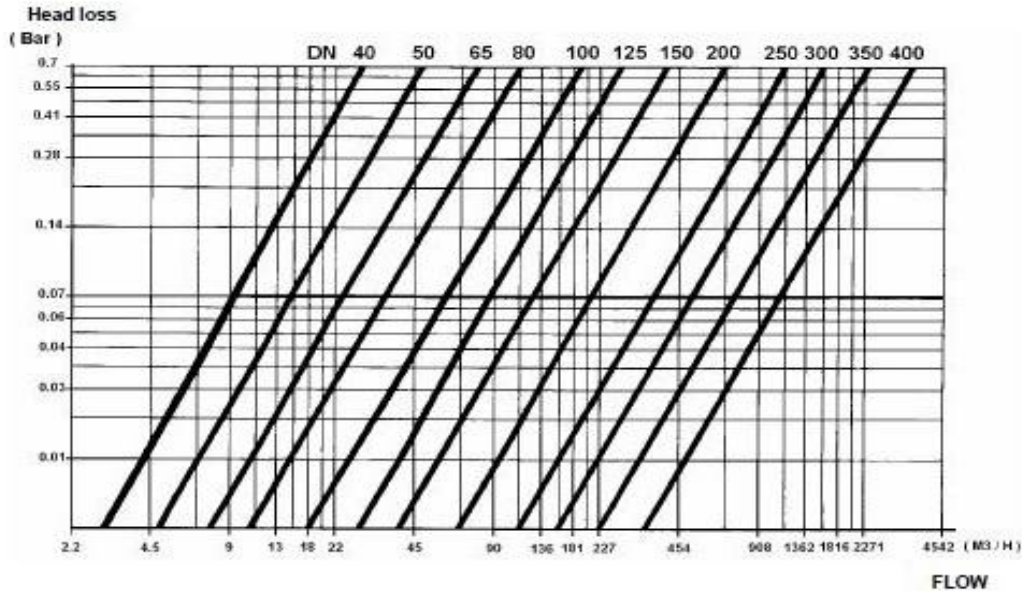
**SPECIFICATIONS :**

- Removable stainless steel filter
- R.F. flanges GN16 up to DN200, GN10 over ( GN16 possible from DN 250 to 300 )
- Horizontal or vertical position with descendant fluid ( respect the flow direction indicated by the arrow )
- Mesh 1,1mm up to DN 125, 1,5 mm from DN 150 to DN 300 , 3 mm for DN 350 and DN 400
- Bolted bonnet with draining cap threaded BSP

**USE :**

- For common fluids
- Min Temperature Ts : - 10°C
- Max Temperature Ts : + 120°C
- Max Pressure Ps : 16 bars up to DN200 , 10 bars over

**HEAD LOSS GRAPH :**



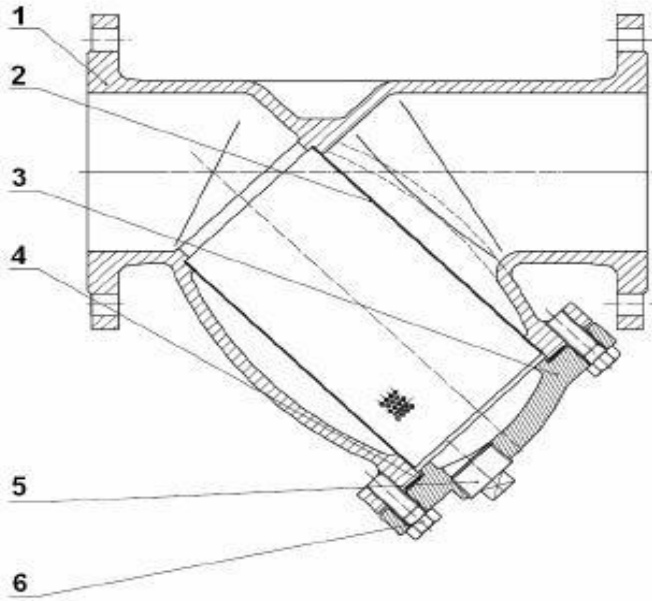
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**RANGE :**

- R.F. flanges GN10/16 from DN 15 to 150, GN16 for DN200, GN10 from DN250 to 400 ( GN16 possible for DN250 and 300 )

**MATERIALS :**

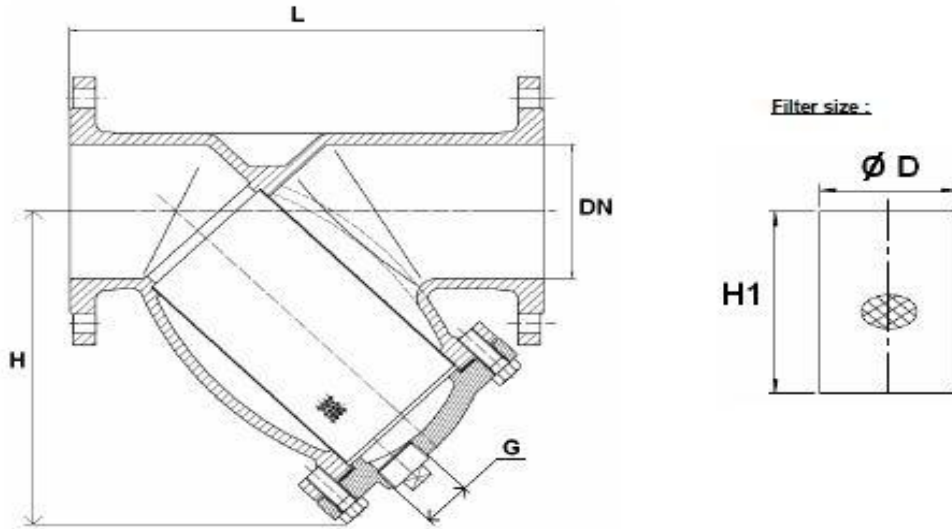


Item	Description	Material
1	Body	Cast iron EN GJL-250
2	Filter	SS 304
3	Bonnet	Cast iron EN GJL-250
4	Bonnet gasket	PTFE
5	Draining cap	Cast iron EN GJS-400-15
6	Bonnet screw	Steel A4-7

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SIZE ( in mm ) :



	DN	16	20	26	32	40	50	65	80	100	125	150	200	250	300	350	400
Ref.	L	130	160	180	180	200	230	290	310	350	400	480	600	730	850	980	1100
	H	66	78	84	120	131	136	165	188	228	287	305	368	518	688	848	768
220	G ( drain )	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	1"	1/2"	1/2"	1/2"	1/2"
	Ø D	18	22	28	36	41	61	87	79	89	128	168	208	260	300	363	403
	H1	48	60	72	88	101	116	147	180	196	234	230	326	468	484	640	660
	Mech	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	3	3
	Weight (In Kg)	2.2	3	3.7	6.8	8.74	8.28	13.11	18.87	24.47	39.8	67	97	183.6	233.6	312	422

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**STANDARDS :**

- Fabrication according to ISO 9001 : 2008
- DIRECTIVE 97/23/CE : Concerned by article 3, § 3
- Length according to DIN 3202 – NF 29354 , EN 558-1 serie 1
- R.F. flanges according to EN 1092-1 PN10/16

**INSTALLATION POSITIONS :**

Vertical position ( descendand fluid )



Horizontal position



**ADVICE :** Our opinion and our advice are not guaranteed and SPERACO shall not be liable for the consequences of damages.  
The customer must check the right choice of the products with the real service conditions.

**CAST IRON Y STRAINER FLANGED PN 10/16****INSTALLATION INSTRUCTIONS****GENERAL GUIDELINES :**

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

**INSTALLATION INSTRUCTIONS :**

- Before installing the strainers, clean and remove any objects from the pipes (in particular bits of sealing and metal) which could obstruct and block the strainers.
- Ensure that both connecting pipes either side of the strainer (upstream and downstream) are aligned (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 will not absorb any gaps. Any distortions in the pipes may affect the tightness of the connection, the working of the strainer and can even cause a rupture. To be sure, place the kit in position to ensure the assembling will work.
- Make sure flanges are cleaned.
- If sections of piping do not have their final support in place, they should be temporarily fixed. This is 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 avoid a leakage during the restarting.
- Fluids in the strainer must not contain solid objects ( it could damaged the seat ).