

**REF. 221**

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



**Certificate 3.1**

**Size :** DN 15 to DN 300  
**Ends :** Flanges R.F. PN10/16  
**Min Temperature :** - 10°C  
**Max Temperature :** + 120°C  
**Max Pressure :** 16 Bars for PN16 types  
**Specifications :** Removable stainless steel filter  
Bolted bonnet with draining cap  
Epoxy painting

**Materials :** Cast iron body EN GJL-250

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

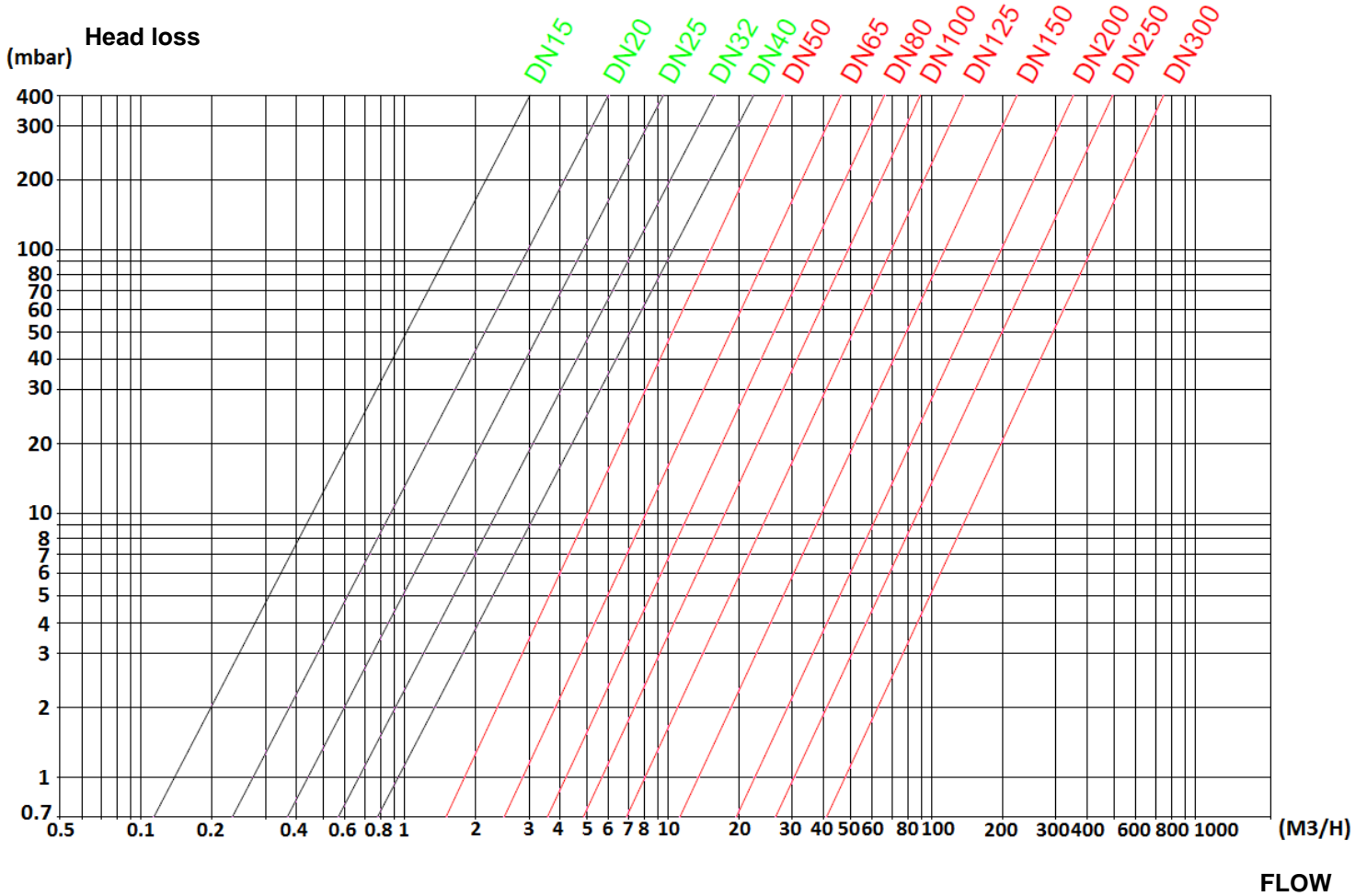
**SPECIFICATIONS :**

- Removable stainless steel filter
- R.F. flanges PN10/16
- Horizontal or vertical position with descendant fluid (respect the flow direction indicated by the arrow)
- Mesh 1mm from DN 15 to 50, 1.3 mm from DN 65 to 150 and 1.6 mm from DN 200 to 300
- Bolted bonnet with draining cap threaded BSP
- Epoxy painting RAL 5005 color, 80-100µm thickness

**USE :**

- For water, water treatment, irrigation
- Min Temperature Ts : - 10°C
- Max Temperature Ts :+ 120°C
- Max Pressure Ps : 16 bars for types PN16, 10 bars for types PN10

**HEAD LOSS GRAPH DN15-300 :**

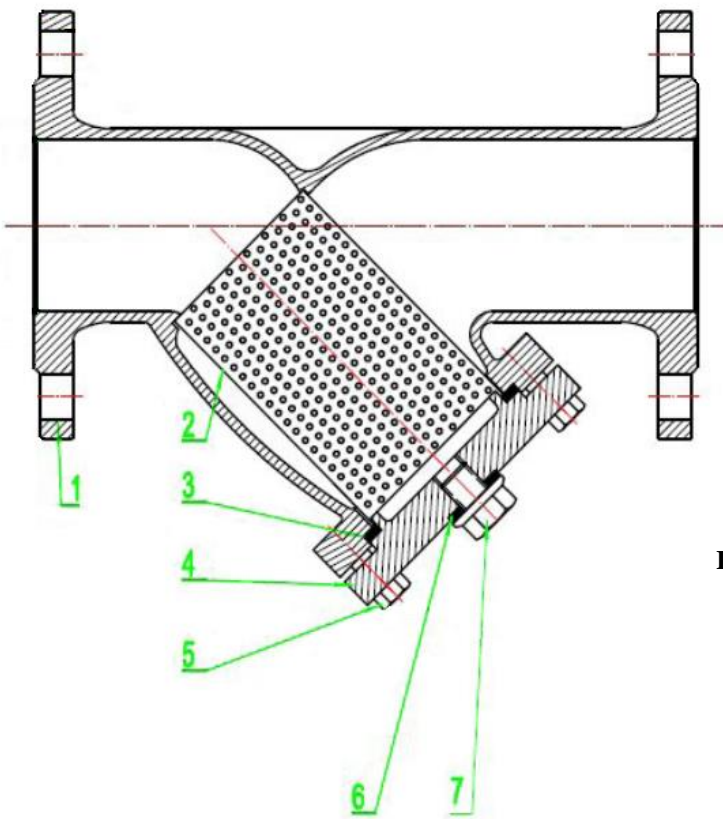


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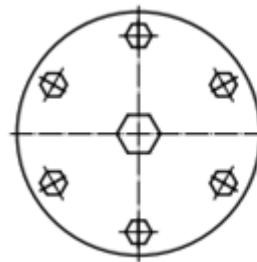
**RANGE :**

- R.F. flanges PN10/16 from DN 15 to 300 Ref.221

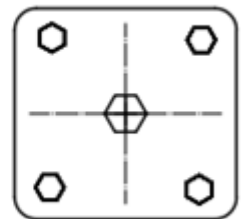
**MATERIALS :**



**BONNET DN125-300**



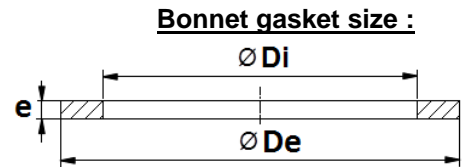
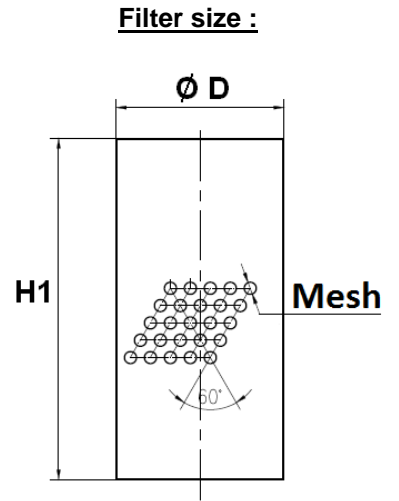
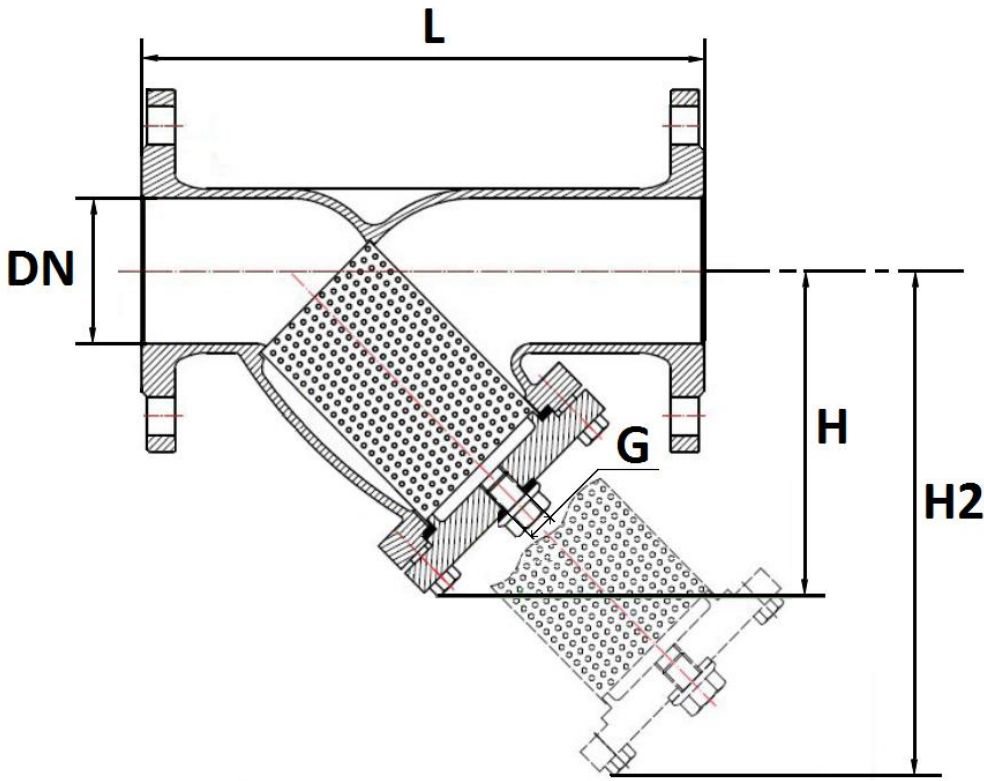
**BONNET DN15-100**



Item	Designation	Materials
1	Body	Cast iron EN GJL-250
2	Filter	AISI 304
3	Bonnet gasket	Stainless steel + graphite
4	Bonnet	Cast iron EN GJL-250
5	Bolting	Steel 8.8
6	Draining gasket	Stainless steel + graphite
7	Draining cap	Carbon steel ASTM A105

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

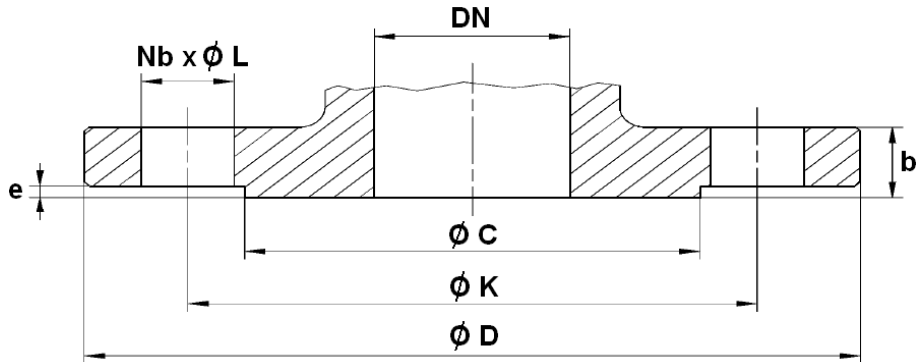
SIZE ( in mm ) :



DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850
H	68	78	85	104	107	124	147	161	193	257	291	357	460	530
H2	105	118	130	154	169	199	237	260	321	410	466	570	666	786
G (drain BSP)	1/2"									3/4"				
Ø D	19	26	31	38	42	52	67	82	102	133	159	208	250	320
H1	51	56	63	70	88	105	127	140	180	215	247	300	340	381
Mesh	1						1.3					1.6		
Ø Di	21	27.5	32	45	45	54	72	86	104	138	162	212	252	324
Ø De	33	36	45	55	55	66	86	102	120	154	178	228	278	350
E	4.3	4	4.3	3.7	3.7	4.3	4.3	4.4						
Weight (Kg)	2.3	3	3.5	5	6	8	12	14	18	29.5	38.8	68	120	176

## CAST IRON Y STRAINER FLANGED PN 10/16

**FLANGES SIZE PN16 ( in mm ) :**

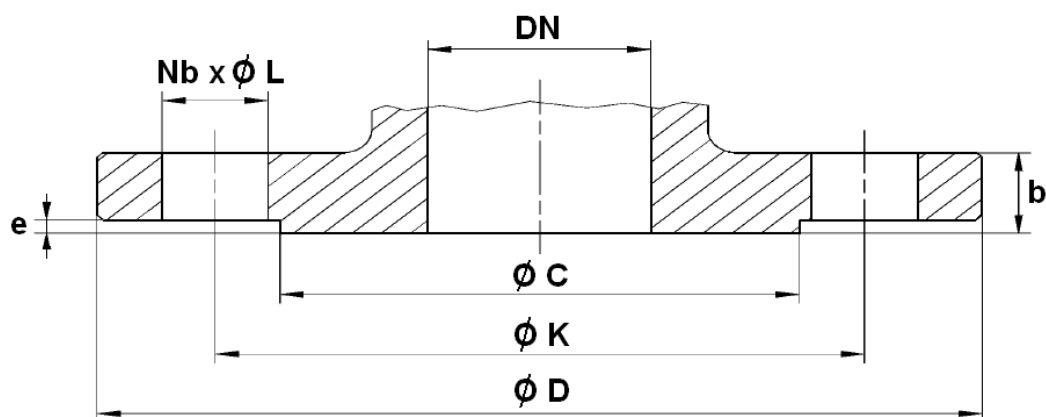


DN	15	20	25	32	40	50	65	80	100
Ø C	45	57	65	76	84	99	118	132	156
Ø D	95	105	115	140	150	165	185	200	220
Ø K	65	75	85	100	110	125	145	160	180
Nb x Ø L	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	4 x 18	4 x 18	8 x 18	8 x 18
b	16	16	16	16	18	20	20	20	22
e	1.5	1.5	1.5	1.5	1.5	2	2	2	2
Ref.	221015	221020	221025	221032	221040	221050	221065	221080	221100

DN	125	150	200	250	300
Ø C	184	211	263	319	370
Ø D	250	285	340	405	460
Ø K	210	240	295	355	410
Nb x Ø L	8 x 18	8 x 23	12 x 23	12 x 27	12 x 27
b	26	26	30	32	36
e	2	2.5	2.5	2.5	3
Ref.	221125	221150	221200	221250	221300

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

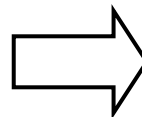
FLANGES SIZE PN10 ( in mm ) :



DN	200	250	300
Ø C	263	320	370
Ø D	340	395	445
Ø K	295	350	400
Nb x Ø L	8 x 23	12 x 23	12 x 23
b	30	32	36
e	2.5	2.5	3
Ref.	221201	221251	221301

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

- Fabrication according to ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded (article 4, § 3)
- Certificate 3.1 on request
- Pressure tests according to EN 12266-1
- Length according to EN 558 series 1 (DIN 3202-1 F1 – NF 29354)
- R.F. flanges according to EN 1092-2 PN10/16

**INSTALLATION POSITIONS :****Vertical position ( descendand fluid )****Horizontal position**

**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 ).**
- **Always change the gaskets if you have to disassemble the bonnet or the drain**