

EPOXY CAST IRON Y STRAINER FLANGED PN 10/16



Size : DN 40 to DN 300
Ends : Flanges R.F. GN10/16
Min Temperature : - 10°C
Max Temperature : + 80°C
Max Pressure : 16 Bars up to DN200
Specifications : Removable stainless steel filter
Bolted bonnet with draining cap
Epoxy painting

Materials : Cast iron body

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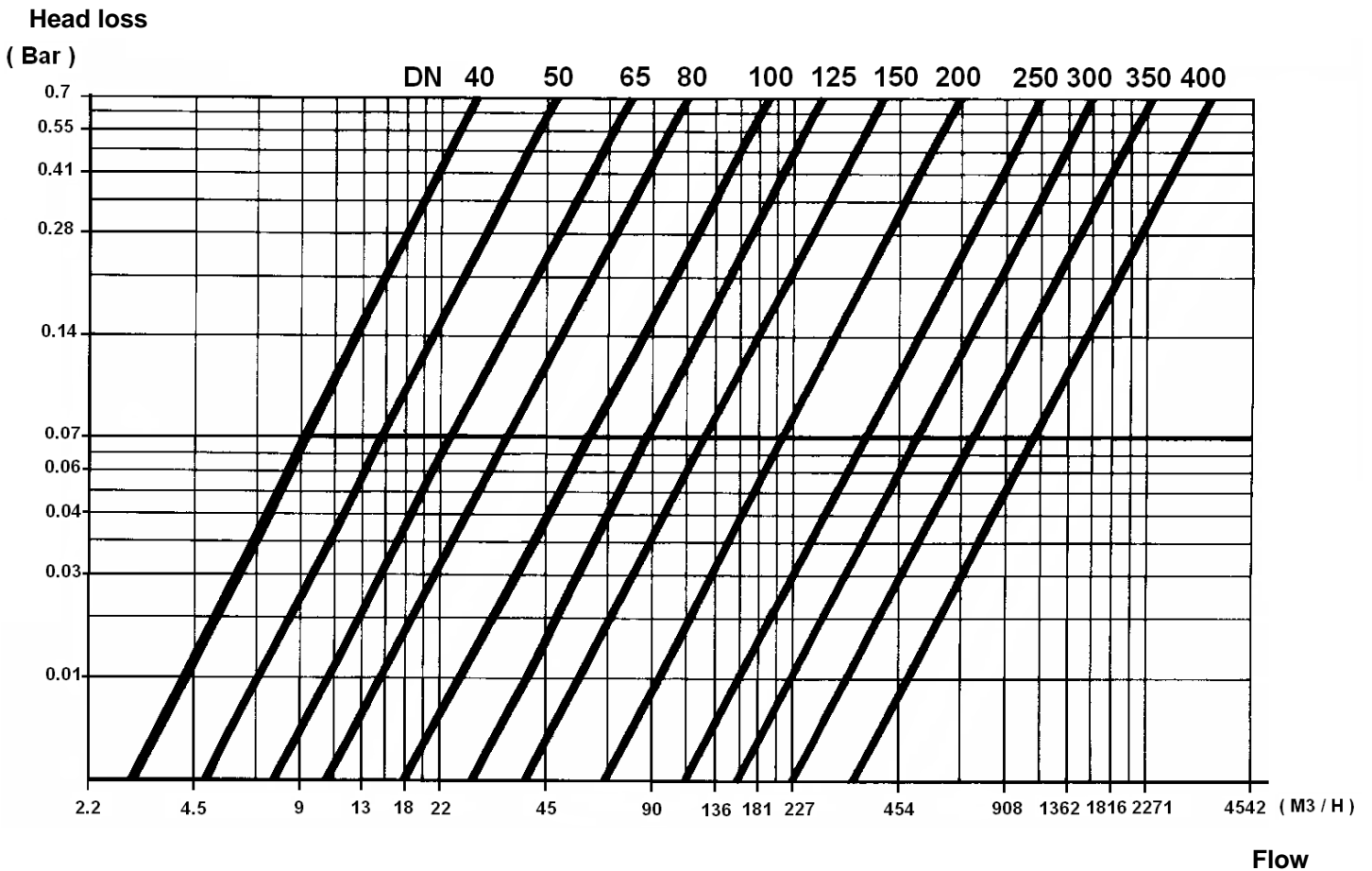
SPECIFICATIONS :

- 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)
- Mesh1 mm from DN40 to 50, 1.25 mm from DN65 to 80 and 1.6 mm from DN100 to 300
- Bolted bonnet with draining cap threaded BSP
- Possible to equip with a draining valve (Ref.528)
- Epoxy painting 75 µ thickness, blue color RAL 5005

USE :

- For watering, water treatment and irrigation
- Min Temperature Ts : - 10°C
- Max Temperature Ts :+ 80°C
- Max Pressure PN : 16 bars up to DN200, 10 bars over

HEAD LOSS GRAPH :



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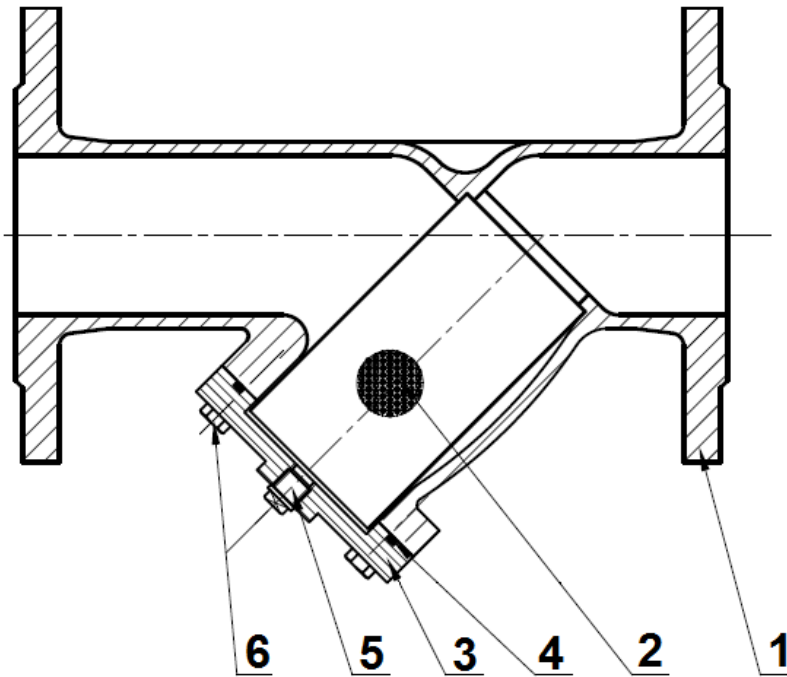
RANGE :

- R.F. flanges GN10/16 from DN 40 to DN 300 **Ref.233**
- Draining valve NF Male – Female **Ref. 528004** DN 1/2" for DN 40 to DN125 and **528005** DN 3/4" for DN150 to 300

Example of filter with draining valve :



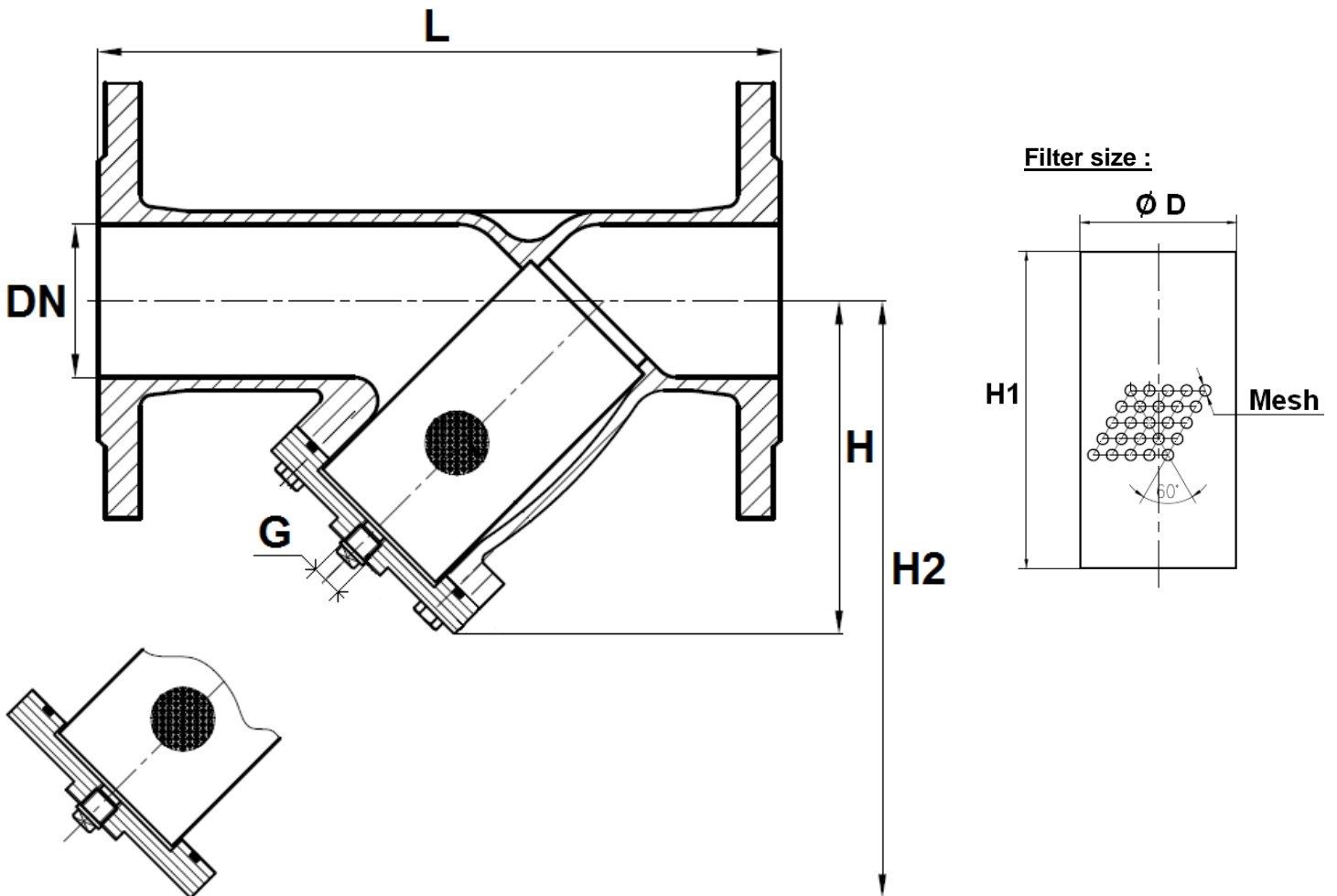
MATERIALS :



| Item | Designation | Materials |
|------|---------------|----------------------|
| 1 | Body | Cast iron EN GJL-250 |
| 2 | Filter | SS 316 |
| 3 | Bonnet | Cast iron EN GJL-250 |
| 4 | Bonnet gasket | EPDM |
| 5 | Draining cap | SS 316 |
| 6 | Bolting | SS 304 |

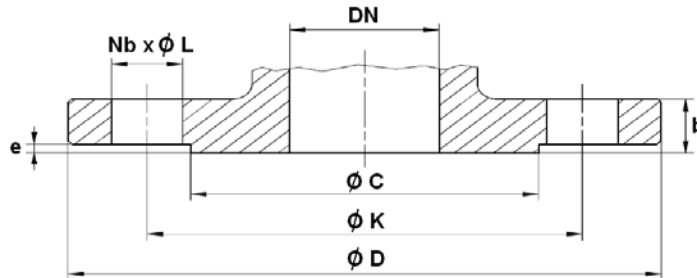
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SIZE (in mm) :

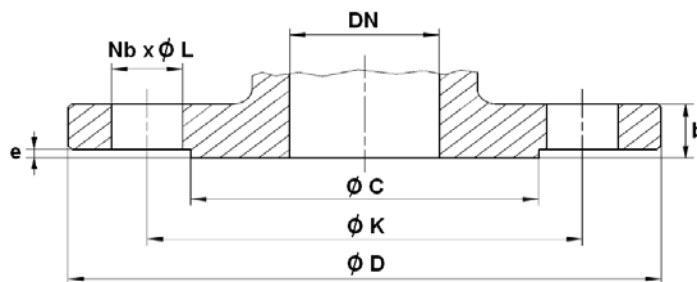


| Ref. | DN | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
|------|---------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 233 | L | 200 | 230 | 290 | 310 | 350 | 400 | 480 | 600 | 730 | 850 |
| | H | 110 | 117 | 142 | 163 | 194 | 248 | 280 | 346 | 433 | 480 |
| | H2 | 175 | 192 | 232 | 265 | 323 | 402 | 430 | 560 | 715 | 785 |
| | G (drain) | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 3/4" | 3/4" | 3/4" | 3/4" |
| | Ø D | 42 | 52 | 67 | 82 | 102 | 127 | 160 | 206 | 252 | 302 |
| | H1 | 91.2 | 105.2 | 127.2 | 140.7 | 180.2 | 215.7 | 234.2 | 296.5 | 393.5 | 426 |
| | Mesh | 1 | 1 | 1.25 | 1.25 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| | Weight (Kg) | 6.3 | 7.7 | 11.4 | 14.2 | 18.5 | 28.5 | 39.2 | 61.2 | 115.6 | 155.5 |

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FLANGES SIZE GN10 (in mm) :


| DN | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Ø C | 84 | 99 | 118 | 132 | 156 | 184 | 211 | 266 | 319 | 370 |
| Ø D | 150 | 165 | 185 | 200 | 220 | 250 | 285 | 340 | 395 | 445 |
| Ø K | 110 | 125 | 145 | 160 | 180 | 210 | 240 | 295 | 350 | 400 |
| Nb x Ø L | 4 x 18 | 4 x 18 | 4 x 18 | 8 x 18 | 8 x 18 | 8 x 18 | 8 x 23 | 8 x 23 | 12 x 23 | 12 x 23 |
| b | 18 | 20 | 20 | 22 | 22 | 24 | 24 | 26 | 28 | 28 |
| e | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Ref. | 233040 | 233050 | 233065 | 233080 | 233100 | 233125 | 233150 | 233200 | 233250 | 233300 |

FLANGES SIZE GN16 (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 27 | 12 x 27 |
| b | 30 | 32 | 32 |
| e | 3 | 3 | 3 |
| Ref. | 233201 | 233251 | 233301 |

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STANDARDS :

- Fabrication according to ISO 9001 : 2008
- DIRECTIVE 97/23/CE : Concerned by article 3, § 3
- Tests according to EN 12266-1
- Length according to EN 558-1 Series 1 (DIN 3202 F1 – NF 29354)
- Flanges R.F. according to EN 1092-1 PN10/16
- French water agreement **A.C.S. N° 12 ACC LY 612**

INSTALLATION POSITIONS :

Vertical position (descendand fluid)



Horizontal position



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

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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).**