

# D71

## D71 118 616.235 PN40 DN15-DN300

### Carbon steel y strainer flanged

#### CARBON STEEL Y STRAINER FLANGED PN 40 DIN 3202-1 F1

Carbon steel Y strainer flanged PN40 for filtration of high temperature network, hot water, steam, compressed air, water treatment and irrigation.

Strainer with removable filter and bolted bonnet

Threaded BSP draining cap allowing to install a draining valve.



PED 2014/68/UE



**Size :** DN15 to DN300  
**Connection :** Flanges RF PN25/40  
**Min Temperature :** -29°C  
**Max Temperature :** +425°C  
**Max Pressure :** 40 Bars  
**Specifications :** Removable stainless steel filter  
Bolted bonnet with draining cap  
Blue painting RAL 5002

**Materials :** Carbon steel ASTM A216 WCB

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##### SPECIFICATIONS :

- Removable stainless steel filter
- R.F. Flanged PN25/40 , PN40 from DN200 to 300
- Horizontal or vertical position with descendant fluid (respect the flow direction indicated by the arrow)
- Mesh 1mm up to DN 50 , 1.25 mm from DN 65 to 80, 1.6 mm from DN100 to 200, 4 mm over
- Bolted bonnet with draining cap threaded BSP
- Blue painting RAL 5002, 80 µm thickness

##### USE :

- High temperature, hot water, steam, compressed air, water treatment, and irrigation
- Min Temperature Ts : - 29°C
- Max Temperature Ts :+ 425°C
- Max Pressure Ps : 40 bars (see below)
- Steam : 26 bars max (at 225°C)

##### PRESSURE / TEMPERATURE RELATION ( STEAM EXCLUDED ) :

| Temperature (°C) | -29  | -10 | 50 | 100 | 150  | 200 | 250  | 300  | 350  | 375  | 400  | 425  |
|------------------|------|-----|----|-----|------|-----|------|------|------|------|------|------|
| Pressure (Bar)   | 25.8 | 40  | 40 | 37  | 32.5 | 28  | 26.3 | 24.6 | 22.8 | 22.3 | 21.7 | 20.8 |

##### FLOW COEFFICIENT Kvs ( M3 / h ) :

| DN           | 15  | 20   | 25   | 32   | 40   | 50 | 65   | 80  | 100 | 125 | 150 | 200 | 250  | 300  |
|--------------|-----|------|------|------|------|----|------|-----|-----|-----|-----|-----|------|------|
| Kvs ( m3/h ) | 6.2 | 10.8 | 16.8 | 26.1 | 36.7 | 61 | 98.6 | 146 | 234 | 376 | 405 | 752 | 1220 | 1865 |

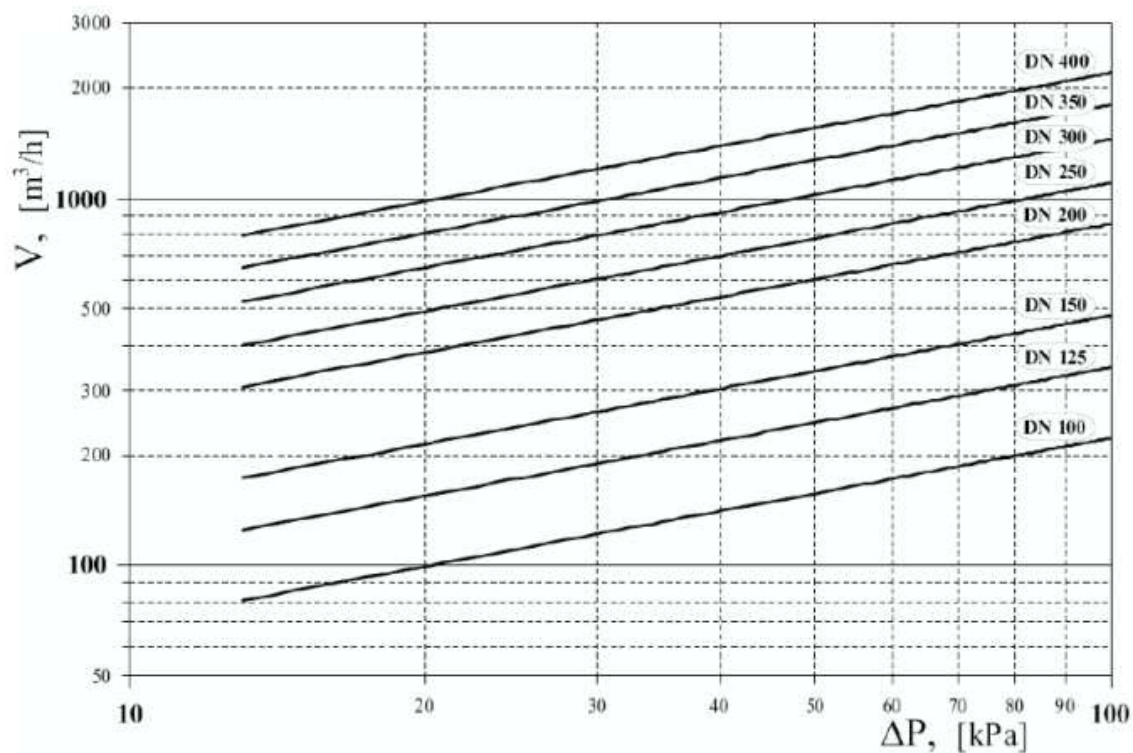
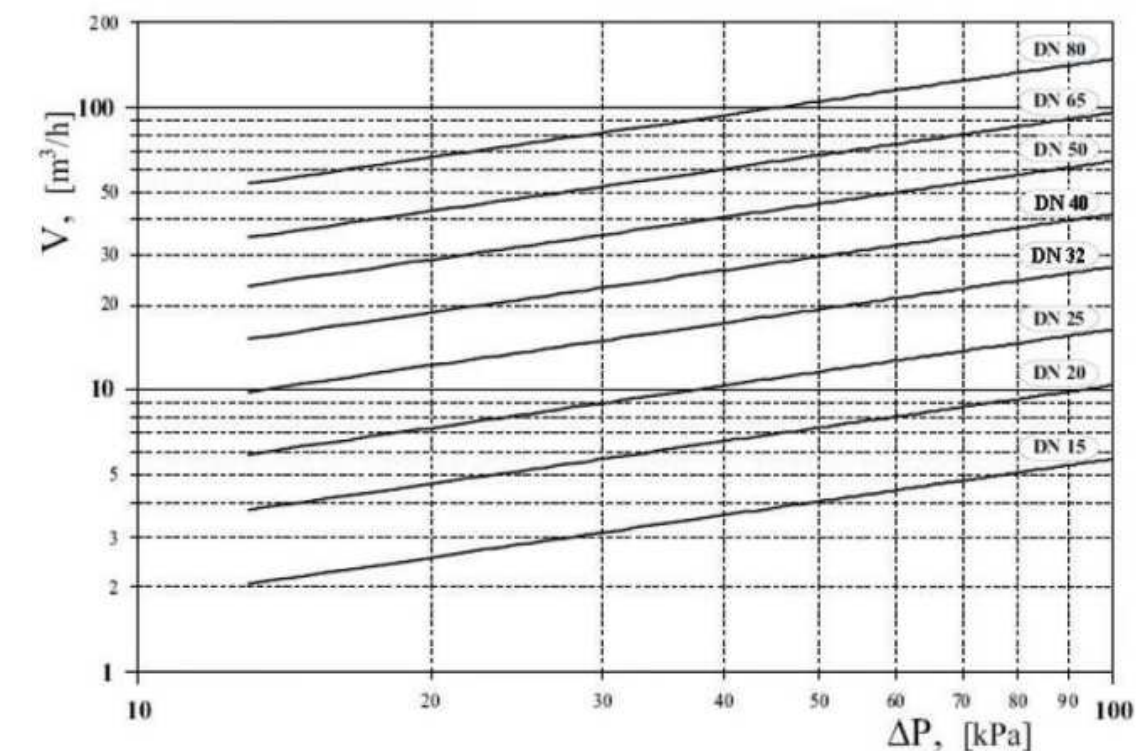
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##### HEAD LOSS :



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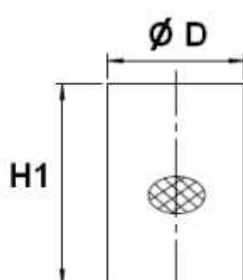
##### RANGE :

- Carbon steel flanged R. F. PN25/40 DN 15 up to DN 150 and PN40 from DN200 to DN300 Ref.235

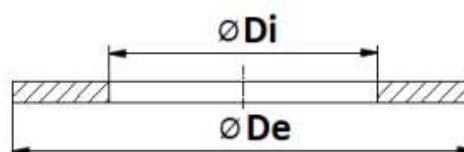
##### REPAIRABILITY :



##### SCREEN



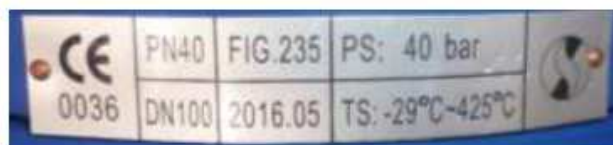
##### BONNET AND PLUG GRAPHITE GASKETS



|                            | DN   | 15      | 20      | 25      | 32      | 40      | 50      | 65      | 80      | 100     | 125     |
|----------------------------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Screen                     | Ø D  | 22      | 22      | 29      | 35      | 42      | 52      | 58      | 75      | 104     | 124     |
|                            | H1   | 48      | 59      | 75      | 85      | 97      | 105     | 121     | 150     | 175     | 205     |
|                            | Mesh | 1       |         |         |         |         |         | 1.25    |         | 1.6     |         |
|                            | Ref. | 9802430 | 9802431 | 9802432 | 9802433 | 9802434 | 9802435 | 9802436 | 9802437 | 9802438 | 9802439 |
| Bonnet gasket thick.1,5 mm | Ø Di | 40      | 40      | 44      | 44      | 52      | 60      | 75      | 92      | 116     | 150     |
|                            | Ø De | 50      | 50      | 56      | 56      | 68      | 75      | 92      | 106     | 135     | 170     |
|                            | Ref. | 9802410 | 9802411 | 9802412 | 9802413 | 9802414 | 9802415 | 9802416 | 9802417 | 9802418 | 9802419 |
| Plug gasket thick.. 3,2 mm | Ø Di | 17      |         | 27      |         | 34      |         |         |         | 48      |         |
|                            | Ø De | 25      |         | 36      |         | 43      |         |         |         | 64      |         |
|                            | Ref. | 9801480 |         | 9801481 |         | 9801482 |         |         |         | 9801483 |         |

|                            | DN   | 150     | 200     | 250     | 300     |
|----------------------------|------|---------|---------|---------|---------|
| Screen                     | Ø D  | 150     | 190     | 243     | 295     |
|                            | H1   | 240     | 310     | 390     | 458     |
|                            | Mesh | 1.6     |         | 4       |         |
|                            | Ref. | 9802440 | 9802441 | 9802442 | 9802443 |
| Bonnet gasket thick.1,5 mm | Ø Di | 165     | 220     | 295     | 345     |
|                            | Ø De | 195     | 250     | 335     | 385     |
|                            | Ref. | 9802420 | 9802421 | 9802422 | 9802423 |
| Plug gasket thick.. 3,2 mm | Ø Di | 48      |         | 60      |         |
|                            | Ø De | 64      |         | 78      |         |
|                            | Ref. | 9801483 |         | 9801484 |         |

##### MARKING EXAMPLE :



Be careful, the codes above relate to the current model with the identification plate above (for spare parts of another version, please contact us)

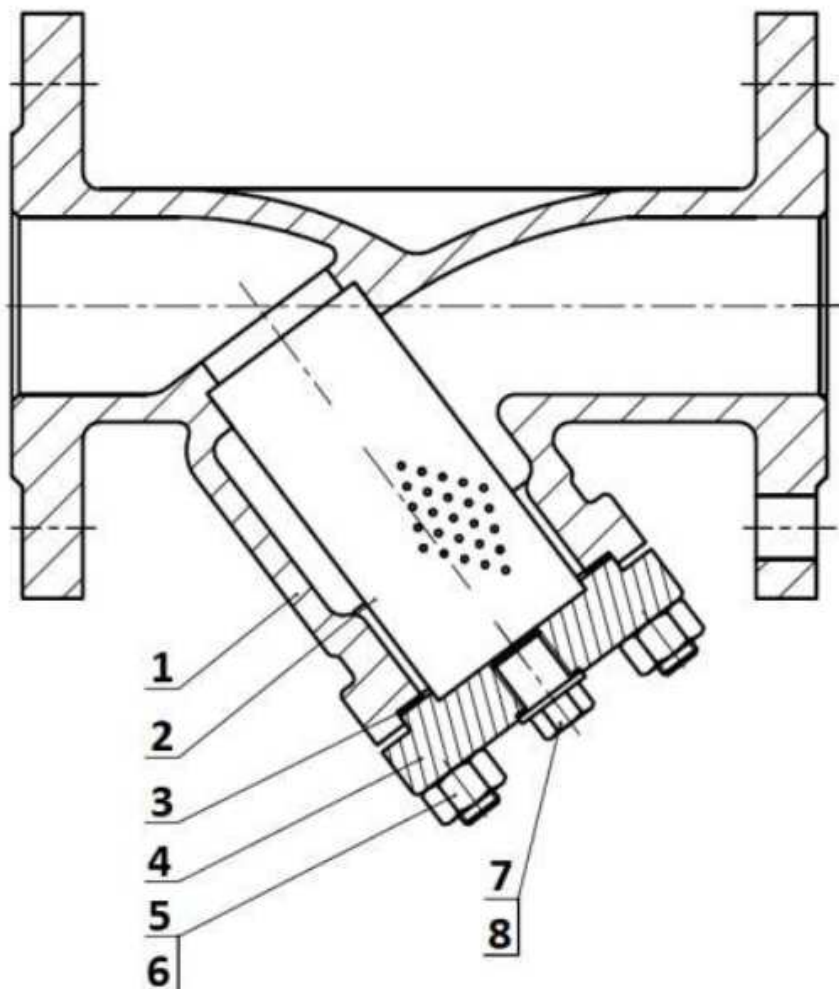
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##### MATERIALS :



| Item | Designation   | Materials           |
|------|---------------|---------------------|
| 1    | Body          | ASTM A 216 WCB      |
| 2    | Filter        | AISI 304            |
| 3    | Bonnet gasket | Graphite + AISI 304 |
| 4    | Bonnet        | ASTM A216 WCB       |
| 5    | Stud          | A193-B7             |
| 6    | Nut           | A194-2H             |
| 7    | Plug          | A105                |
| 8    | Plug gasket   | Graphite + AISI 304 |

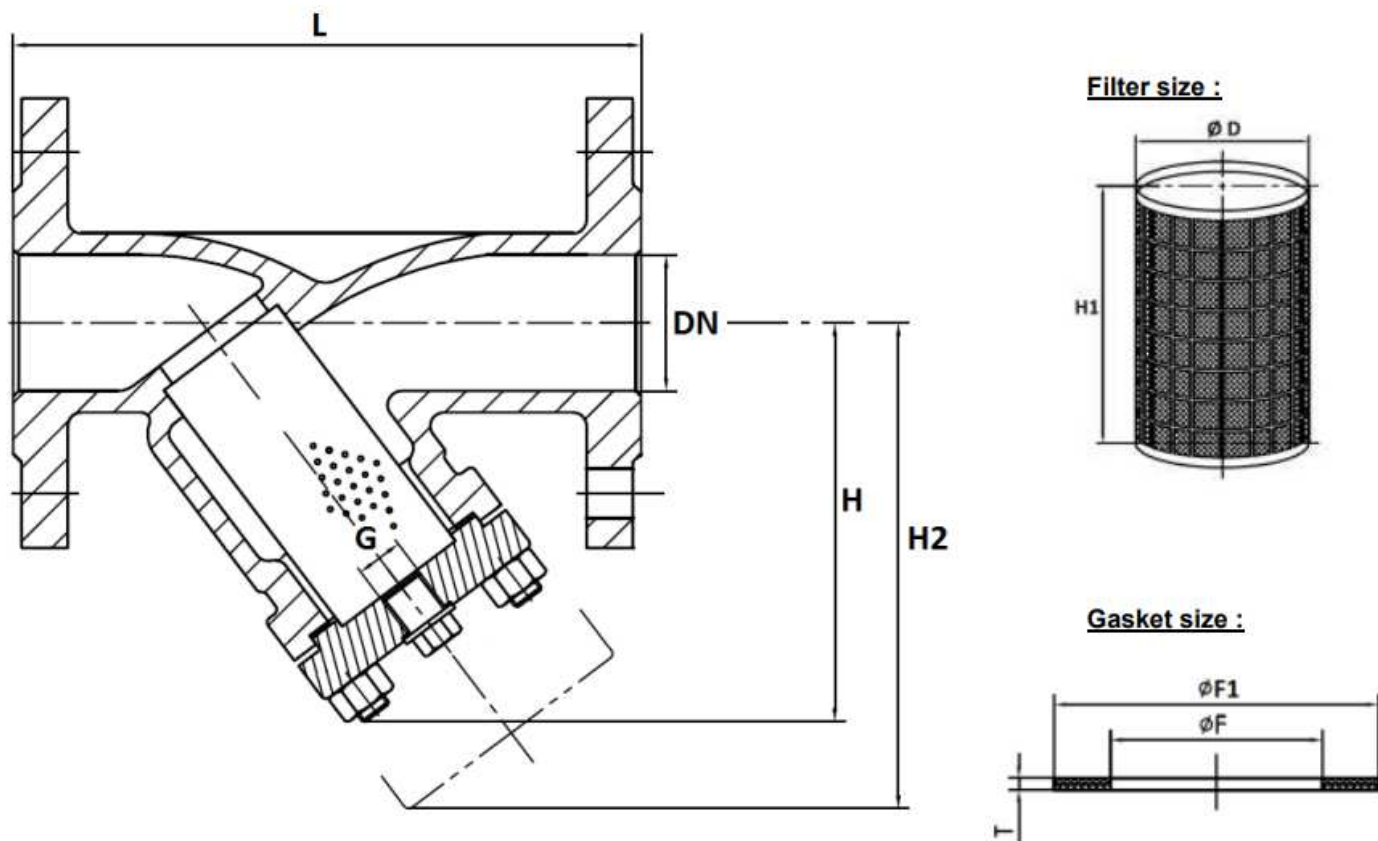
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SIZE ( in mm ) :



| 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             | 98     | 97     | 108    | 113    | 138    | 147    | 170    | 204    | 240    | 288    | 334    | 380    | 535    | 640    |
| H2            | 106    | 115    | 122    | 130    | 155    | 165    | 190    | 225    | 265    | 310    | 360    | 427    | 590    | 710    |
| G (drain BSP) | 3/8"   |        | 3/4"   |        | 1"     |        |        |        | 1 1/2" |        |        | 2"     |        |        |
| Ø D           | 22     | 22     | 29     | 35     | 42     | 52     | 58     | 75     | 104    | 124    | 150    | 190    | 243    | 295    |
| H1            | 48     | 59     | 75     | 85     | 97     | 105    | 121    | 150    | 175    | 205    | 240    | 310    | 390    | 458    |
| Mesh          | 1      |        |        |        |        |        | 1.25   |        | 1.6    |        |        |        | 4      |        |
| Ø F1          | 50     | 50     | 56     | 56     | 68     | 75     | 92     | 106    | 135    | 170    | 195    | 250    | 335    | 385    |
| Ø F           | 40     | 40     | 44     | 44     | 52     | 60     | 75     | 92     | 116    | 150    | 165    | 220    | 295    | 345    |
| T             | 1.5    |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Weight (Kg)   | 2.8    | 3.8    | 5.2    | 7.1    | 8.9    | 11.2   | 16     | 22     | 34     | 47.5   | 68     | 114    | 201    | 255    |
| Ref.          | 235015 | 235020 | 235025 | 235032 | 235040 | 235050 | 235065 | 235080 | 235100 | 235125 | 235150 | 235200 | 235250 | 235300 |

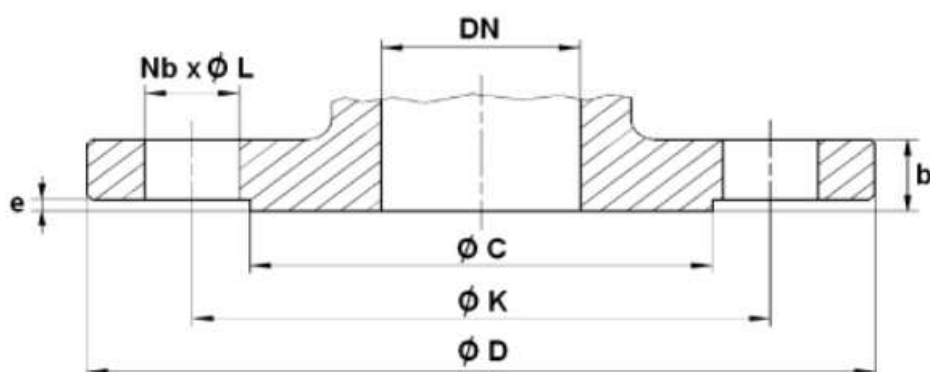
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SIZE FLANGES RF TYPE B ( in mm ) :



| DN       | 15     | 20     | 25     | 32     | 40     | 50     | 65     | 80     | 100    | 125    | 150    | 200     | 250     | 300     |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Ø C      | 45     | 58     | 68     | 78     | 88     | 102    | 122    | 138    | 162    | 188    | 218    | 285     | 345     | 410     |
| Ø D      | 95     | 105    | 115    | 140    | 150    | 165    | 185    | 200    | 235    | 270    | 300    | 375     | 450     | 515     |
| Ø K      | 65     | 75     | 85     | 100    | 110    | 125    | 145    | 160    | 190    | 220    | 250    | 320     | 385     | 450     |
| Nb x Ø L | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 18 | 4 x 18 | 4 x 18 | 8 x 18 | 8 x 18 | 8 x 22 | 8 x 26 | 8 x 26 | 12 x 30 | 12 x 33 | 16 x 33 |
| b        | 16     | 18     | 18     | 18     | 18     | 20     | 22     | 24     | 24     | 26     | 28     | 34      | 38      | 42      |
| e        | 2      | 2      | 2      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3       | 3       | 4       |
| Ref.     | 235015 | 235020 | 235025 | 235032 | 235040 | 235050 | 235065 | 235080 | 235100 | 235125 | 235150 | 235200  | 235250  | 235300  |

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##### STANDARDS :

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 :2015
- Design according to DIN 3356
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
  - DN15-25 : Article 4, §3 (SEP), no CE marking
  - DN32-100 : Risk category II, CE0036 marking
  - DN125-300 : Risk category III, CE 0036 marking
- Certificate 3.1 on request
- Tests according to DIN 3230
- Length according to EN 558 series 1 (DIN 3202-1 F1 – NF 29354)
- Flanges R.F. according to EN 1092-1 PN40

##### INSTALLATION POSITIONS :

Vertical position ( descendand fluid )



Horizontal position

