

# MAB-DD Flanged

## Flanged single cartridge housing for dangerous fluids

MAB-DD flanged housings are designed for the filtration of dangerous fluids that require the use of Stainless Steel materials with high chemical compatibility.

The MAB-DD series is equipped with a system for opening and closing designed in 304 stainless steel clamp with bolts/lock washers and hex brass nuts to avoid seizing.

Housings are available in two lengths and can install a wide range of 10" and 20" filter elements type SOE code 7 for liquids, gases and vapours filtration.



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### Caratteristiche principali

- Flanged in-line connections.
- Fit for wall fixing (N° 4 M6x6 threaded holes).
- Suitable for dangerous fluids of group no. 1 in accordance with CE 1272/2008.
- Conformity to accordance with PED (Pressure Equipment Directive) and with ATEX for equipment used in potentially explosive areas.

### Construction materials

|                |                     |
|----------------|---------------------|
| Housing:       | 316 Stainless Steel |
| Clamp closure: | 304 Stainless Steel |
| Gaskets:       | Viton ( standard )  |

### Surface finishing

|        |  |
|--------|--|
| Type L | Head: blasted & electropolished<br>Bowl-welded : external polished / internal finely brushed & pickled |
|--------|--|

### Design and construction

In accordance to the European Directive PED 2014/68/UE and ATEX 2014/34/UE

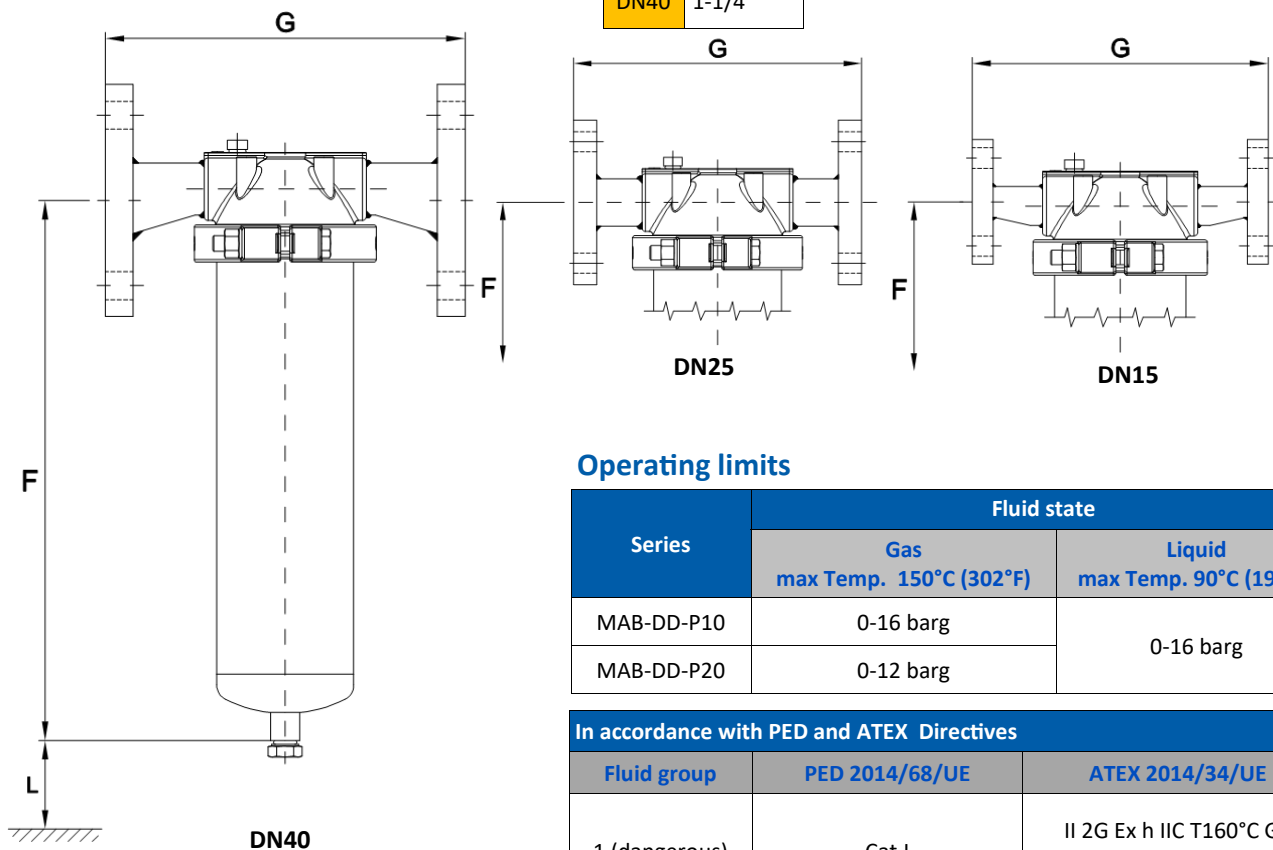
### Documentation

UE declaration of conformity PED / ATEX and user guide.

| Modello                 | Connections In-Out A—B | Cartridges | Weight | Volume | Vent C  | Drain D | Nominal dimension (mm) +- 5 |     |     |
|-------------------------|------------------------|------------|--------|--------|---------|---------|-----------------------------|-----|-----|
|                         | EN 1092-1              | Size       | Kg     | L      | ISO 228 | ISO 228 | G                           | F   | L   |
| MAB-DD-P10-B7-DN15-L-FS | DN 15                  | SOE 2071   | 5,2    | 2,5    | 1/8"    | 1/4"    | 210                         | 407 | 330 |
| MAB-DD-P10-B7-DN25-L-FS | DN 25                  |            | 6,2    | 2,5    |         |         | 210                         | 401 |     |
| MAB-DD-P10-B7-DN40-L-FS | DN 40                  |            | 8,5    | 2,5    |         |         | 234                         | 395 |     |
| MAB-DD-P20-B7-DN15-L-FS | DN 15                  | SOE 2072   | 6,5    | 3,9    |         |         | 210                         | 703 | 580 |
| MAB-DD-P20-B7-DN25-L-FS | DN 25                  |            | 7,5    | 3,9    |         |         | 210                         | 695 |     |
| MAB-DD-P20-B7-DN40-L-FS | DN 40                  |            | 9,7    | 4,0    |         |         | 234                         | 688 |     |

### Code information

| MAB-DD | P10              | B7  | DN25           | L          | FS                 |        |                  |          |                 |                |
|--------|------------------|-----|----------------|------------|--------------------|--------|------------------|----------|-----------------|----------------|
| Series | Cartridge Length |     | Cartridge Size |            | IN-OUT Connections |        | Surface Finising |          | O-ring material |                |
|        | P10              | 10" | B7             | SOE code 7 | DN15               | 1/2"   | L                | Standard | FS              | FEP + Silicone |
|        | P20              | 20  |                |            | DN25               | 1"     |                  |          |                 |                |
|        |                  |     |                |            | DN40               | 1-1/4" |                  |          |                 |                |



### Operating limits

| Series     | Fluid state                    |                                  |
|------------|--------------------------------|----------------------------------|
|            | Gas<br>max Temp. 150°C (302°F) | Liquid<br>max Temp. 90°C (194°F) |
| MAB-DD-P10 | 0-16 barg                      | 0-16 barg                        |
| MAB-DD-P20 | 0-12 barg                      |                                  |

| In accordance with PED and ATEX Directives |                |   |
|--|----------------|---|
| Fluid group                                | PED 2014/68/UE | ATEX 2014/34/UE                                       |
| 1 (dangerous)                              | Cat.I          | II 2G Ex h IIC T160°C Gb<br>II 2D Ex h IIIC T160°C Db |

### Accessories

| Model                | Description                              |
|----------------------|--|
| KC-V-B-M8-XX-GF-PN40 | Ball drain valve<br>S.S. 304 1/4" MF gas |

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The data are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.