

# BVM FILTER HOUSING

## *Multi Bag series*

*Optimized structure design  
improves operating  
performance*



Self-balancing hinge

*Feature -Tec's BVM multi-bag filter housings features side inlet and bottom outlet, providing easy and complete drainage. The convenient tangential bottom outlet reduces housing height, making bag change-out easy and safe. A standard eye-bolt closure is equipped with Feature-Tec's self-balancing head lifting system for quick access to the interior. Inside, Feature-Tec's unique 3-point bag seal clamp assures bypass-free performance under any conditions.*

### **Applications**

- Automotive Coatings
- Copper Foil
- Food and Beverage
- Pulp and Paper
- Paints, Inks, Resins and Coatings
- Electronics
- Silicone Industry

### **Features and benefits**

- Side inlet and bottom outlet for easy and complete drainage.
- Tangential bottom outlet and spring-balance head lifting system making bag change-out easy and safe.

- Self-balancing locking mechanism for fast and easy operation.
- Exclusive 3-point bag seal clamp assures bypass-free performance under any conditions.
- Easy to operate, economical and practical.

### **Filter specifications**

#### **No. of Filter Bags**

3 / 4 / 6 / 8 / 12 / 17 / 23

#### **Filter Bag Sizes<sup>1\*</sup>**

01: Size 01

02: Size 02

#### **Inlet & Outlet**

DIN / ANSI

#### **Max. Flow Rates<sup>2\*</sup>**

920 m<sup>3</sup> / h

#### **Maximum operating temperatures<sup>3\*</sup>**

150 °C

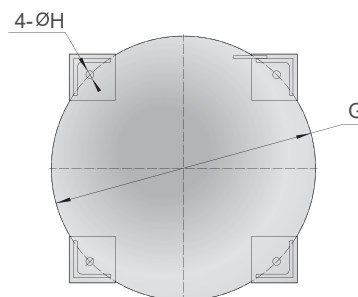
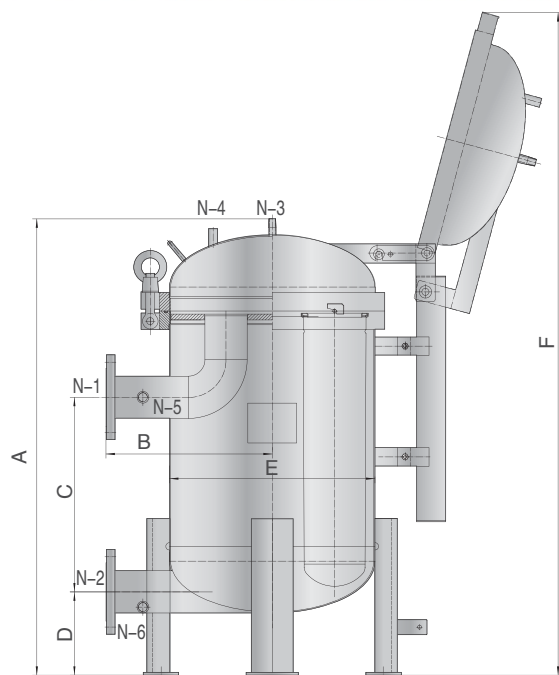
#### **Max. Operating Pressure**

10 bar (145 psi)

1\* Size 01 only for No. 3 / 4 bag filter

2\* Depending on filter element / fluid

3\* Applicable temperature is determined based on filter bag and seal material



Mounting arrangement

### Retention ratings

| Dimensions               | 3 bags                  | 4 bags                  | 6 bags                  | 8 bags                  | 12 bags                 | 17 bags                  | 23 bags                  |
|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|
| A                        | 1244mm (49")            | 1252mm (49")            | 1335mm (53")            | 1315mm (52")            | 1458mm (58")            | 1467mm (58")             | 1553mm (62")             |
| B                        | 400mm (16")             | 450mm (18")             | 520mm (20")             | 600mm (24")             | 680mm (27")             | 750mm (30")              | 820mm (33")              |
| C                        | 520mm (20")             | 527mm (21")             | 450mm (18")             | 528mm (21")             | 528mm (21")             | 450mm (18")              | 535mm (21")              |
| D                        | 250mm (10")             | 225mm (9")              | 300mm (12")             | 200mm (8")              | 220mm (9")              | 250mm (10")              | 250mm (10")              |
| E                        | 500mm (20")             | 550mm (22")             | 600mm (24")             | 750mm (30")             | 950mm (37")             | 1050mm (42")             | 1200mm (48")             |
| F                        | 1750mm (69")            | 1720mm (67")            | 1928mm (76")            | 2035mm (80")            | 2316mm (91")            | 2479mm (97")             | 2692mm (106")            |
| G                        | 475mm (19")             | 525mm (21")             | 580mm (23")             | 735mm (29")             | 930mm (37")             | 1040mm (41")             | 1195mm (47")             |
| H                        | Ø18                     | Ø18                     | Ø18                     | Ø18                     | Ø24                     | Ø24                      | Ø24                      |
| Specifications           | 3 bags                  | 4 bags                  | 6 bags                  | 8 bags                  | 12 bags                 | 17 bags                  | 23 bags                  |
| Inlet (N1) / Outlet (N2) | DN80 PN16<br>(3" 150#)  | DN100 PN16<br>(4" 150#) | DN150 PN16<br>(6" 150#) | DN150 PN16<br>(6" 150#) | DN200 PN16<br>(8" 150#) | DN250 PN16<br>(10" 150#) | DN250 PN16<br>(10" 150#) |
| Vent Valve (N3)          | NPT1/2"(Rc1/2")         | NPT1/2"(Rc1/2")         | NPT1/2"(Rc1/2")         | NPT1/2"(Rc1/2")         | NPT1/2"(Rc1/2")         | NPT1/2"(Rc1/2")          | NPT1/2"(Rc1/2")          |
| Pressure Gauge (N4)      | NPT1/2"(Rc1/2")         | NPT1/2"(Rc1/2")         | NPT1/2"(Rc1/2")         | NPT1/2"(Rc1/2")         | NPT1/2"(Rc1/2")         | NPT1/2"(Rc1/2")          | NPT1/2"(Rc1/2")          |
| Drain (N5/N6)            | NPT1 1/4"<br>(Rc1 1/4") | NPT1 1/4"<br>(Rc1 1/4") | NPT1 1/4"<br>(Rc1 1/4") | NPT1 1/4"<br>(Rc1 1/4") | NPT1 1/4"<br>(Rc1 1/4") | NPT1 1/4"<br>(Rc1 1/4")  | NPT1 1/4"<br>(Rc1 1/4")  |
| Vessel Volume            | 180 L (48 gal)          | 225 L (59 gal)          | 274 L (72 gal)          | 450 L (119 gal)         | 750 L (198 gal)         | 995 L (263 gl)           | 1336 L (353 gal)         |
| Net Weight               | 155 kg (342 lb)         | 210 kg (463 lb)         | 255 kg (562 lb)         | 315 kg (694 lb)         | 620 kg (1367 lb)        | 880 kg (1940 lb)         | 1000 kg (2205 lb)        |