

ECT FILTER HOUSING

Single Bag series

**Suitable structure for
viscous streams**

Bypass-free seal ring closure



ECT single-bag filter housings with top inlet and bottom outlet are the best choice for cost-effective industrial and commercial applications. Cast construction creates a compact, yet heavy-duty design. A hinged cover with swing-bolt closure is designed to withstand high pressures. The cover directly compresses the filter bag seal-ring, eliminating the possibility of bypass.

Applications

- Pulp and Paper
- Food and Beverage
- Metal Working Fluids
- Chemical Processing
- Paints, Inks, Resins and Coatings
- Automotive
- Electronics
- Pharmaceutical
- Petrochemicals

Features and benefits

- Improved efficiency and longer lifetime of filter bags as fluid enters the center of the bag directly, minimizing turbulences.
- Easy to install adjustable mounting legs.

- Cast construction results in a compact, yet heavy-duty design.
- Cover directly compresses the filter bag seal-ring, eliminating the possibility of bypass.
- Hinged cover opens and closes quickly and easily, adapting to different opening directions.
- Easy bag change-out.

Filter specifications

No. of Filter Bags

1

Filter Bag Sizes^{1*}

01: Size 01

02: Size 02

Inlet & Outlet

DIN / ANSI / BSP / NPT

Max. Flow Rates^{2*}

40 m³ / h

Maximum operating temperatures^{3*}

150 °C

Max. Operating Pressure

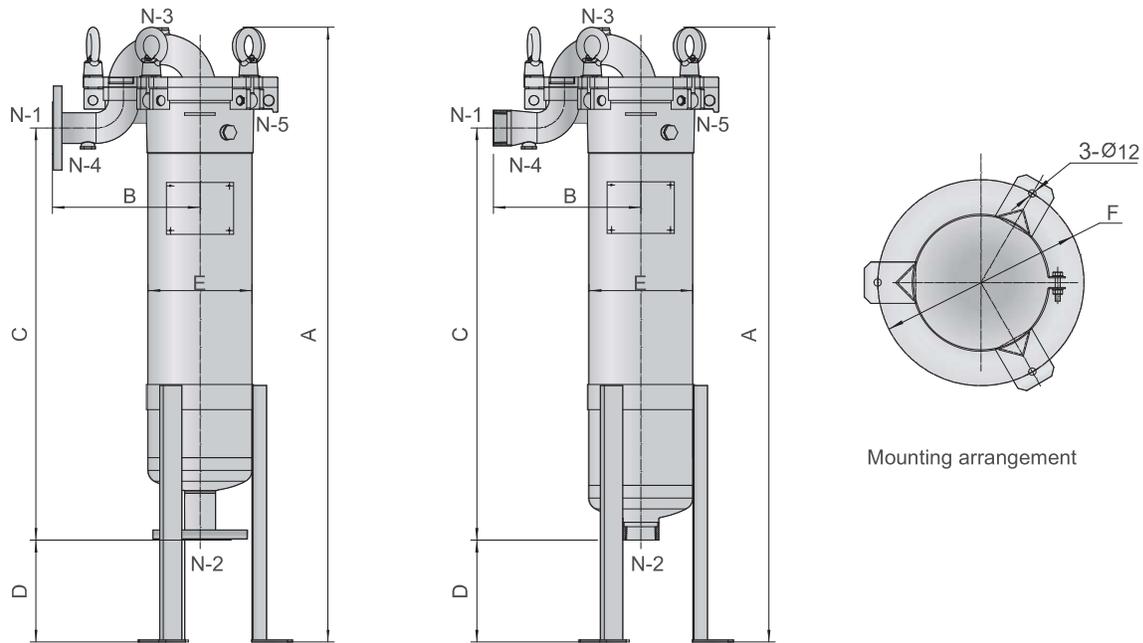
10 bar (145 psi)

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

2 Depending on filter element / fluid , each bag max flow rate is 40 m³ / h*

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

■ ECT Filter Range



Retention ratings

Dimensionsmm (inch)	Size 02 mm (inch)	Size 01 mm (inch)
A	Flange: 1196 (47) Thread: 1135 (45)	Flange: 842 (33) Thread: 782 (31)
B	281 (11)	281 (11)
C	Flange: 811 (32) Thread: 751 (30)	Flange: 450 (18) Thread: 402 (16)
D	200 (8)	200 (8)
E	200 (8)	200 (8)
F	321 (13)	321 (13)
Specifications	Size 02	Size 01
Inlet (N1) / Outlet (N2)	Flange: DN50 PN16 (2" 150#) / Thread: BSP2" (NPT2")	Flange: DN50 PN16 (2" 150#) / Thread: BSP2" (NPT2")
Vent Valve (N3)	NPT1/2"(Rc1/2")	NPT1/2"(Rc1/2")
Drain (N4)	NPT1/2"(Rc1/2")	NPT1/2"(Rc1/2")
Vessel Volume	28 L (7 gal)	17 L (4 gal)
Net Weight	33 kg (73 lb)	29 kg (64 lb)

Inlet (N1) / outlet (N2) npt available or request

Order information see page 14

Germany

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Ordering information

Materials

E: SS 304
 S: SS 316 L
 F: SS 304 L
 B: SS 321
 A: SS 316
 C: Carbon Steel
 I: Titanium
 H: Hastelloy
 L: Aluminium
 D: Super Duplex
 P: Non-Metallic (Plastic)

Special

(blank): No Jacket
 H1: Half Body Jacket
 H2: Full Body Jacket
 H3: Full Jacket Including Lid

Process

Application

L: Liquid Application
 G: Gas Application

Filter bag Sizes

01: Ø178×Ø420
 02: Ø178×Ø810
 03: Ø102×Ø230
 04: Ø102×Ø410

Vessel Type

VM: Vertical Opening
 QV: Speedo Quick Opening Vetical
 ECS: Ecoclear Sideline
 ECT: Ecoclear Topline
 ECF: Ecoclear Flowline
 T: T-handle Filter
 M: Customized / Non- Standard

Connections Type

040: DN40
 050: DN50
 080: DN80
 100: DN100

Vessel Grade

I: Industrial
 F: Sanitary
 C: Cart Type

Design Pressure

06: 6 bar
 10: 10 bar
 16: 16 bar
 21: 21 bar



Additional Code for Modular Design

(x) M: Modular with Switch Off Valves
 (x) D: Modular without Switch Off Valves

Bag Type

Basket Type

B: Bag Element Inside
 S: Mesh Basket Inside

NO. of Filter Bags

01: 1 Bag
 03: 3 Bags
 04: 4 Bags
 06: 6 Bags
 08: 8 Bags
 12: 12 Bags
 17: 17 Bags
 23: 23 Bags

Manufacturing Standard

D: DIN/GB Flange Standard
 A: ANSI Flange Standard
 J: JIS (Japan) Flange Standard
 B: BSP Thread Standard
 N: NPT Thread Standard
 V: V- Clamp (Tri Clamp)
 C: Tri-weld
 S: Sanitary Thread Standard

Seal

Materials

B: Buna N Rubber
 E: EPDM Rubber
 S: Silicone Rubber
 V: Viton Rubber
 T: Teflon
 A: Metal Spiral Wound Gasket
 C: Teflon Encapsulated Viton Rubber
 D: Teflon Encapsulated Silicone Rubber
 F: Prefluoro Rubber
 N: Neoprene Rubber
 R: Butyl Rubber
 G: Graphite Spiral Wound Gasket

All the information necessary to understand a Feature-Tec bag filter housing description code is listed above. The example description listed, a 2MILBE2302A1050VQVH1 is for a Speedo 23 filter bag housing for 178 x 801 mm filter bags, constructed of 304 stainless steel, rated at 10 bar. The housing has a quick opening mechanism, a viton rubber, does not have a heating jacket and is a "special" design.