

ECF FILTER HOUSING

Single Bag series

*Light weight, economical
filter housing*



Spring-pressed

ECF is an economical single-bag filter of simple structure and easy maintenance. The basket support and a smooth finishing of the interior of the vessel allows an easy cleaning and bag installation. Side inlet and vent connections allows the cover to open without the need to disconnect piping, making bag change-out quick and convenient. Widely used in water industry due to solid, yet economical construction.

Applications

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

Features and benefits

- Solid, yet economical easy-maintenance single bag filter.
- Smooth interior and basket support for easy cleaning and bag installation.

- Direct flow into the filter bag prevents splashing of fluid.
- Convenient and robust swing eye-bolt closure.
- Electro-polished stainless steel perforated plate basket offers perfect filter bag support.

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

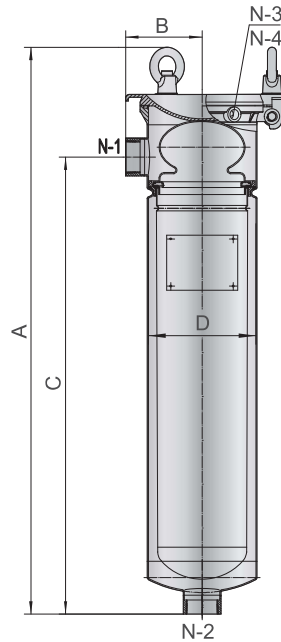
6 bar (87 psi)

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*

■ ECF Filter Range



Retention ratings

Dimensionsmm (inch)	Size 02 mm (inch)	Size 01 mm (inch)
A	1045 (41)	804 (32)
B	142 (6)	142 (6)
C	850 (33)	600 (24)
D	190 (7)	190 (7)
Specifications	Size 02	Size 01
Inlet (N1) / Outlet (N2)	BSP2"(NPT2")	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 (82 lb)	24 kg (53 lb)

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

Order information see page 14

Germany

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 D - 50996 Cologne, Germany
 Tel: +49 (0) 2236 - 961630 - 0
 Fax: +49 (0) 2236 - 961630 - 16

Singapore

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 Technolink, Singapore 415938
 Tel: +65 6376 3610
 Fax: +65 6271 8021

China

Part B, 15th Floor, No.1 Middle FuXing Road,
 Huangpu District, Shanghai, P.R. China
 Tel: +86 (21) 5169 5266
 Fax: +86 (21) 5169 7139

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

2 **M** **I** **L** **B** **E** **23** **02** **A** **10** **50** **V** **QV** **H1**

Additional Code for Modular Design

Modular Design

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

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

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

Bag Type

Basket Type

B: Bag Element Inside
 S: Mesh Basket Inside

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

All the information necessary to understand a Feature-Tec bag filter housing description code is listed above. The example description listed, a 2MILBE2302A1050QVH1 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.