

ECS FILTER HOUSING

Single Bag series

*Wildely used in
industry*



Unique clamping device

ECS single-bag filter housings with side inlet piping connections and bottom outlet are a perfect choice for cost-sensitive applications. The side inlet piping connections can be adapted to different directions, according to your specific needs. The simple design allows an easy cleaning of the interior. Precision castings and swing eye-bolt closure guarantees integrity even at high pressures.

Applications

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

Features and benefits

- Side inlet piping connection and evacuation cover - eliminates liquid spillover when cover is opened.
- Integrated handle cover - single-handed, user-friendly operation.

- Unique basket seal design - EasyLock ensures no bypass.
- Swing eye-bolt closure - guarantees integrity even at high pressures.
- Electro-polished stainless steel perforated plate basket - perfect filter bag support, easy to clean.
- Adjustable mounting legs - stable and adaptable construction.

Filter specifications

No. of Filter Bags

1

Filter Bag Sizes^{1*}

01: Size 01 02: Size 02
03: Size 03 04: Size 04

Inlet & Outlet

DIN / ANSI / BSP / NPT

Max. Flow Rates^{2*}

40 m³ / h

Maximum operating temperatures^{3*}

150 °C

Max. Operating Pressure

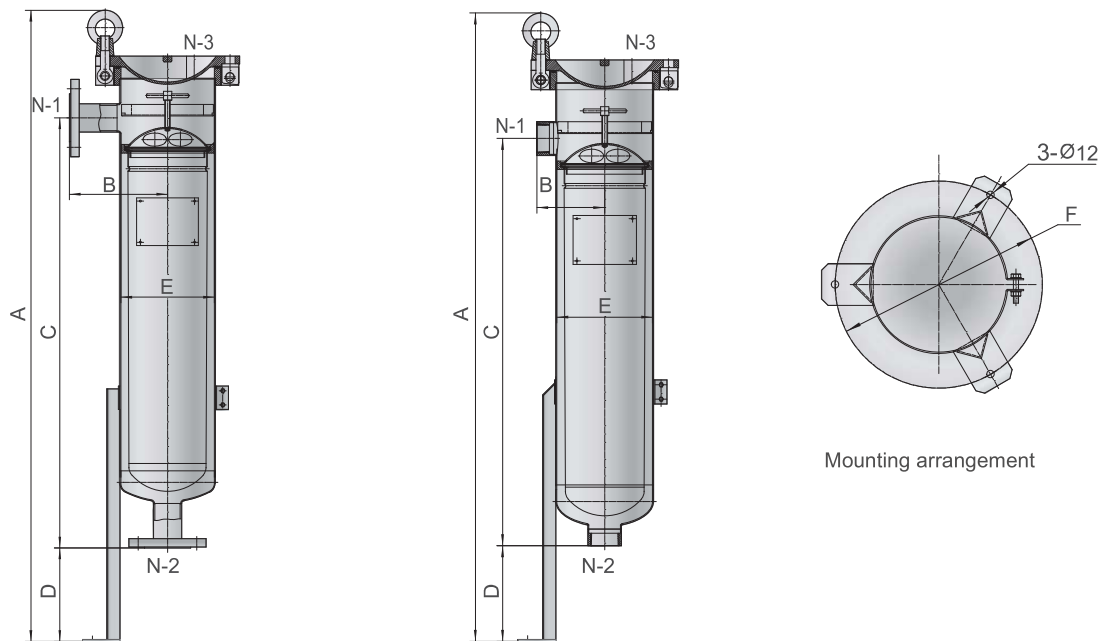
Size 01/ 02: 10 bar (145 psi)
Size 03/ 04: 16 bar (232 psi)

^{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

■ ECS Filter Range



Retention ratings

Dimensionsmm (inch)	Size 01 mm (inch)	Size 02 mm (inch)	Size 03 mm (inch)	Size 04 mm (inch)
A	Flange: 986 (40) Thread: 950 (37)	Flange: 1350 (53) Thread: 1310 (52)	Flange: 512 (20) Thread: 462 (18)	Flange: 671 (26) Thread: 631 (24)
B	Flange: 210 (8) Thread: 142 (6)	Flange: 210 (8) Thread: 142 (6)	Flange: 150 (5) Thread: 92 (3)	Flange: 150 (5) Thread: 92 (3)
C	Flange: 556 (22) Thread: 530 (21)	Flange: 920 (36) Thread: 880 (35)	Flange: 330 (12) Thread: 280 (11)	Flange: 500 (19) Thread: 450 (17)
D	200 (8)	200 (8)	/	/
E	200 (8)	200 (8)	114.3 (4.5)	114.3 (4.5)
F	321 (13)	321 (13)	/	/
Specifications	Size 01	Size 02	Size 03	Size 04
Inlet (N1) / Outlet (N2)	Flange: DN50 PN16 (2" 150#) / Thread: BSP2" (NPT2")		Flange: DN40 PN40 (2" 300#) / Thread: BSP1 12" (NPT1 1/2")	
Vent Valve (N3)	NPT1/2"(Rc1/2")	NPT1/2"(Rc1/2")	NPT1/2"(Rc1/2")	NPT1/2"(Rc1/2")
Vessel Volume	17 L (4 gal)	28 L (7 gal)	3 L (0.8 gal)	4 L (1 gal)
Net Weight	24 kg (53 lb)	28 kg (62 lb)	12.8 kg (28 lb)	13.4 kg (29 lb)

Available in size 3 or 4 housings (without support legs),3 eye-bolt seal

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)

Process

Application

L: Liquid Application
G: Gas Application

Vessel Grade

I: Industrial
F: Sanitary
C: Cart Type

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

Design Pressure

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

Special

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

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

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.