

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

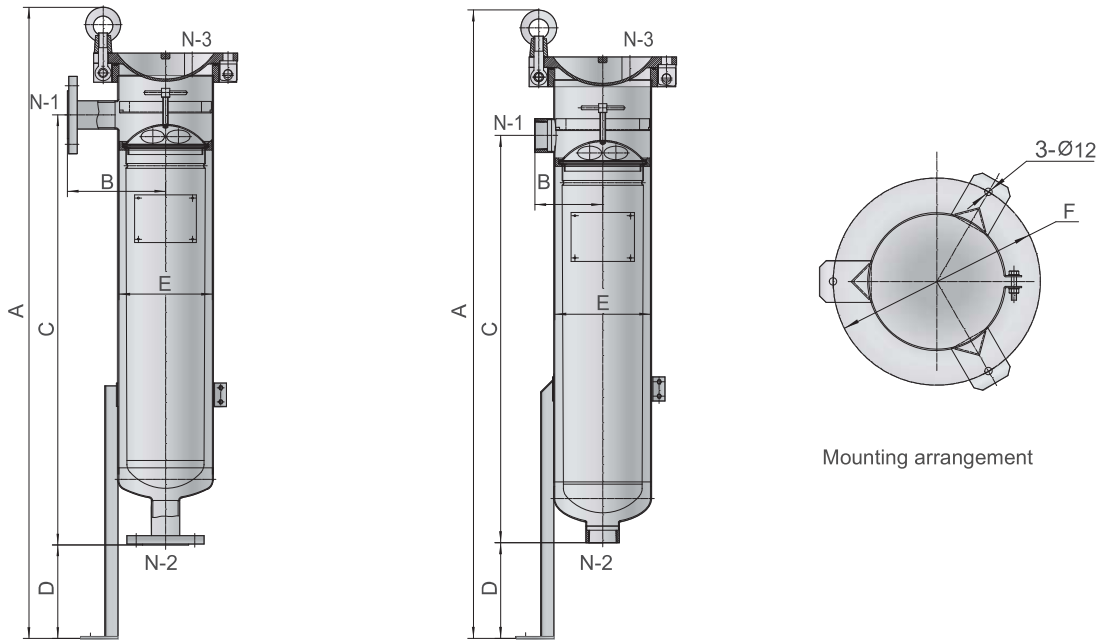
Size 01/ 02: 10 bar (145 psi)
Size 03/ 04: 16 bar (232 psi)

^{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

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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