

8I Series

4 1/4" Mini Bag Filter Housing

The **8I Series -Mini 4 1/4"** bag housing is available in both single and double lengths. The top opening style is equipped with a Vee clamp as standard for pressures up to 8.5 bar g. These housings are widely used where low cost is of prime importance and this makes them the ideal choice to replace conventional cast stainless steel strainers. The side inlet and bottom outlet configuration is perfectly suited to duties where product changes demand a simple-to-clean, easy access housing. With only the basket to remove, quick and efficient cleaning is possible with the 8I Series - Mini housing.

Bolted closures and heating jackets are options available for all models. The 8I Series -Mini housing will accept the full range of Filtertechnik and industry-standard bags ranging from 1 to 1000µm with nominal lengths of 7" (P3) and 14" (P4).



Product Features

- Quick release Vee clamp closure for ease of access rated at 8.5 bar g
- Internally and externally electropolished as standard
- Robust bag support basket assembly fabricated from perforated sheet, rather than wire mesh, for extra strength
- Wide range of options available for connection sizes and types and materials of construction
- Available in 316L stainless steel
- PED and ATEX Compliant





Features and Benefits

- Integral vent to aid efficient filter changeout
- Each housing is etched with a unique serial number for full traceability
- Full housing customisation service available
- Internally and externally electropolished as standard

Product Range

Filtertechnik design and manufacture an extensive range of liquid filtration systems, providing one of the widest selections of filtration vessels, depth filters and pleated cartridges available today, ensuring excellent process and filter compatibility. As one of Europe's leading manufacturers of filtration systems, Filtertechnik is able to offer a solution to meet all filtration requirements. Our filters are manufactured in clean room conditions and all products come with detailed Product Validation Guides and Technical Support documentation.



Accessories	Part number
Pressure gauge and vent valve kit 	60S000016
Pressure gauge and auto vent valve kit 	60S000082
Displacement pod 	81S011000
Mounting Bracket 	81S010005

TECHNICAL DATA

Maximum Operating Conditions

Pressure Range: Vee Clamp
 Liquid: 8.5 bar g
 Gas Group 1: N/A
 Gas Group 2: N/A

Temperature Range: -10°C / 110°C

Materials of Construction

Body: 316L St.Steel
 Closure: Vee Clamp - 304 St.Steel

Finish

Vessel: Electropolished
 Basket: Pickled

Connections

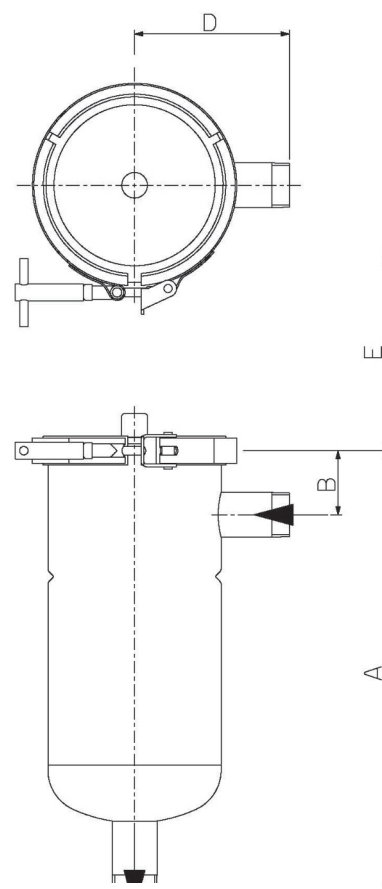
Inlet/Outlet: 1", 1 1/2" or 2" BSPM
 Vent: 1/4" BSP

PED Status: Compliant with 2014/68/EU

Fluid Groups: Liquids Group 1 + 2

ATEX: Compliant with 2014/34/EU, level CE Ex II 2 GD c X

Technical drawings for each individual housing showing dimensions, volume, weights, maximum temperatures and design pressures available on request.



Model	Dimensions					Volume (Litres)	Dry Weight (kg)
	A	B	C	D	E		
81011MVN10A1EE	329	49	-	115	200	2.9	3.9
81012MVN15A1EE	490	49	-	115	350	4.8	5.4
81012MVN20A1EE	486	48	-	112	350	4.8	5.5

Order Guide

81										
No of bags 01 - 1 Bag	Bag length 1 - Single 2 - Double	Bag collar/ style/size M - Mini 4 1/4" N - No basket H - Ferrostik *I (Magnetic insert)	Closure Style V - Pressed Vee Clamp	Mounting E - Bracket N - None	Connections 10 - 1" 15 - 1 1/2" 20 - 2"	Connection type A - BSPM C - EN1092-1 Flange PN16 G - Table E Flange H - ASME Flange 150 L - BS4851-3 Tri Clamp K - Stub Pipe M - DIN11851 N - RJTM P - SMS M (Swedish) R - IDFM S - DIN2633 Flange	Materials 1 - 316 St. Steel (L Grade)	Finish E - Electropolished	Seal E - EPDM F - FEP / Silicone S - Silicone V - Viton	

Example: 81011MVN10A1EE = 81 Series, Single Length Bag, MINI 4 1/2" Bag collar, pressed vee clamp closure, no mounting, 1" BSPM connections. 316L St. Steel with electropolished finish and EPDM seals.
 *I Double length only.