

## 82 & 83 Series 5 1/2" Bag Filter Housing

The **82 & 83 SERIES** bag housings are designed for use with the DUOLINE A SERIES 5 1/2" ring style bags. The top opening style is equipped with a Cast Vee clamp as standard with the option of Rathmann style bolted closures for pressures up to 10 bar g.

These housings will accept the full range of Filtertechnik standard A Series bags ranging from 1 to 1000µm with nominal lengths of 16" and 32".

The **82 SERIES** is free standing with side inlet and outlet connections. These small diameter filter housings offer great flexibility in terms of high flow and limited floor space requirements.

Use of the inverted dished end style free standing **82 SERIES** housing is ideally suited to continuous process operations where economy and low volume hold up is paramount.

The **83 SERIES** is infinitely flexible with adjustable legs and bottom outlet connection, making it ideal for batch applications, where free draining and frequent process changes take place.



### Product Features

- Internally and externally electropolished as standard
- Robust bag support basket assembly fabricated from perforated sheet rather than wire mesh for extra strength
- Positive bag seating mechanism to minimise risk of seal bypass
- Wide range of options available for connection sizes and types and materials of construction
- Rated at 10 bar liquid





### 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

### 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 	80S011S01 80S012S01
Adjustable leg assembly 	85S010003

## TECHNICAL DATA

### Maximum Operating Conditions

	82 SERIES	83 SERIES
Maximum Pressure:	Liquid - 10 bar g Gas - N/A	Liquid - 10 bar g Gas - 6Bar g
Maximum Temperature:	110°C	110°C

### Materials of Construction

Body:	316L St.Steel
Closure:	Cast Clamp - 304 St.Steel Screw clamps - Zinc plated carbon steel (Optional stainless steel)

### Connections

Inlet/Outlet:	2" BSPM
Vent:	1/4" BSPM
Drain:	1/2" BSPM (82 Series Only)

### Finish

Vessel:	Electropolished
Basket:	Pickled

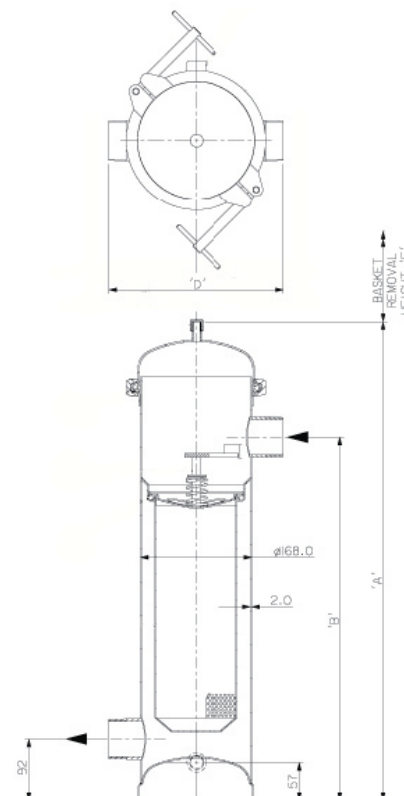
### PED Status:

Compliant with 97/23/EC	
Fluid Groups:	82 Series Liquids Group 2
	83 Series Liquids Group 1 and 2 Gases Group 2
Marking	Sound Engineering Practice CE
Exceptions:	Explosive Group 1 liquids - Explosive

### ATEX:

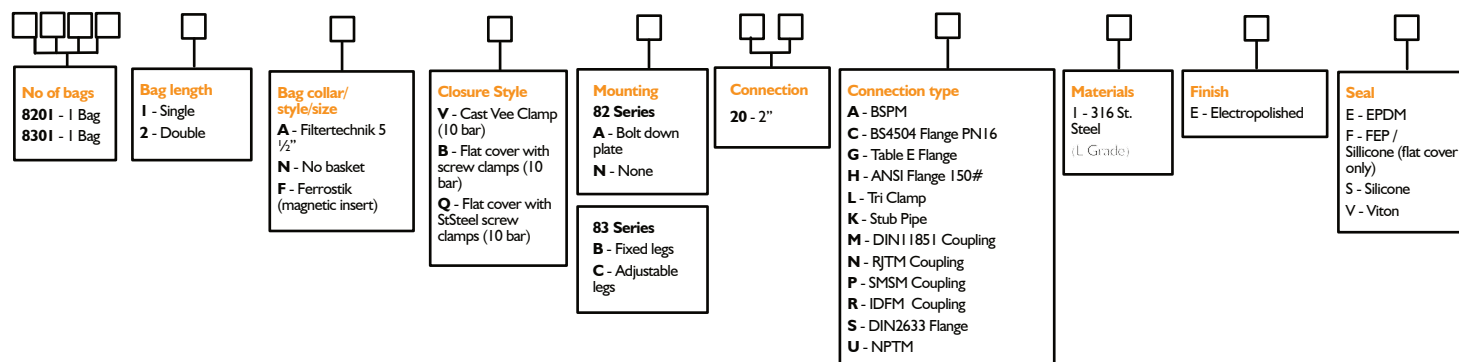
Compliant 94/9/EC, level CE Ex II 2 GD c X

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		
82011AAN20AIEE	718	545	92	262	300	13.3	12.4
82012AAN20AIEE	1078	905	92	262	650	21.0	17.0

### Order Guide



Example: 82011AVN20AIEE = 82 Series, Single Length Bag, Filtertechnik 5 1/2" Bag collar, pressed vee clamp closure, no mounting, 2" BSPM connections. 316L St.Steel with electropolished finish and EPDM seals.