

82 & 83 SERIES



5½" BAG FILTER HOUSING

The **82 & 83 SERIES** bag housings are designed for use with the **DuoLINE A SERIES** 5½" 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 Amazon 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

82 SERIES housings feature:

- Vee clamp or bolted style closures
- Inverted dished end
- PED and ATEX Compliant

83 SERIES housings feature:

- Vee clamp or bolted style closures
- Conventional dished end to aid cleandown
- Each housing hydrostatically pressure tested
- PED and ATEX Compliant



Accessories

Pressure Gauge and Vent Valve Kit



Pressure Gauge and Auto Vent Valve Kit



Ball Valve and Nipple



Displacement Pod



82 & 83 SERIES 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

TECHNICAL DATA

Maximum Operating Conditions

Maximum Pressure:	82 SERIES Liquid - 10 Bar g Gas - N/A	83 SERIES Liquid - 10 Bar g Gas - 6 Bar 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)

Finish

Vessel:	Electropolished
Basket:	Pickled

Connections

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

Model	Dimensions					Volume (Litres)	Dry Weight
	A	B	C	D	E		
82011AAN20A1EE	718	545	92	262	300	13.3	12.4
82012AAN20A1EE	1078	905	92	262	650	21.0	17.0

PED Status: Compliant with 97/23/EC

Fluid Groups:	82 SERIES Liquids Group 2	83 SERIES Liquids Group 1 and 2 Gases Group 2
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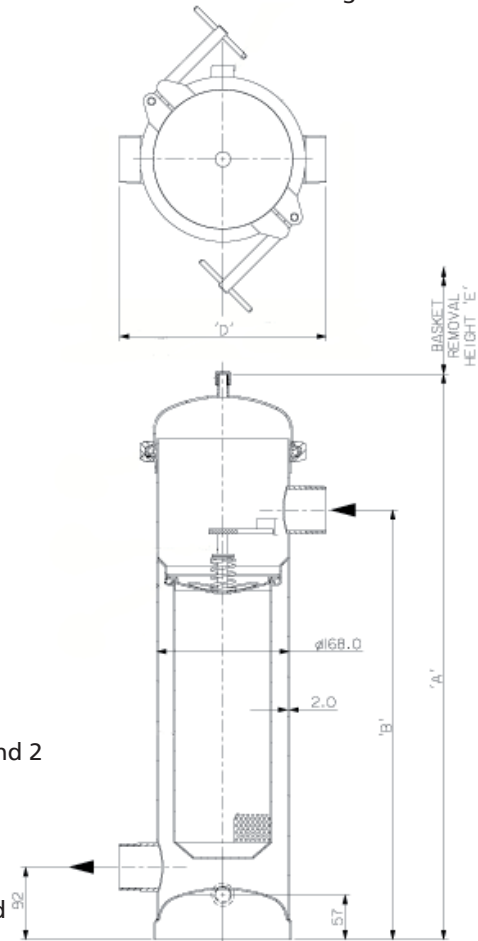
Marking: (SEP) Sound Engineering Practice CE

Exceptions: Group 1 liquids - Explosive

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

Technical drawings for each housing showing dimensions, volume and weights available on request.

82 Series drawing



ORDERING GUIDE

NUMBER OF BAGS 8201 - 1 Bag 8301 - 1 Bag	BAG COLLAR STYLE / SIZE A - Amazon 5 1/2" N - No Basket F - Ferrostik (magnetic insert)	MOUNTING 82 Series A - Bolt down plate N - None 83 Series B - Fixed Legs C - Adjustable Legs	CONNECTION TYPE A - BSPM C - BS4504 Flange PN16 G - Table E Flange H - ANSI Flange 150# L - Tri Clamp K - Stub Pipe M - DIN11851 Coupling N - RJTM Coupling P - SMSM Coupling R - IDFM Coupling S - DIN2633 Flange U - NPTM	FINISH E - Electropolished
BAG LENGTH 1 - Single 2 - Double	CLOSURE A - Cast Vee Clamp (10 Bar) B - Flat cover with screw clamps (10 Bar) Q - Flat cover with St. Steel screw clamps (10 Bar)	CONNECTION SIZE 20 - 2"	MATERIALS 1 - 316 St. Steel (L Grade)	GASKET / SEAL E - EPDM F - FEP / Silicone (flat cover only) S - Silicone V - Viton

Example: 83011AAC20A1EE = 83 Series, Single length bag, Amazon 5 1/2" bag collar, cast vee clamp closure, adjustable legs, 2" BSPM connections. 316L St. Steel with an electropolished finish and EPDM seals.

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