

84 & 85 SERIES



7" BAG FILTER HOUSING



The **84 & 85 SERIES** bag housings are designed for use with the industry standard **DuoLINE G SERIES** 7" ring style bags widely used in today's process industry. 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.

The housing will accept the full range of Amazon and industry standard bags ranging from 1 to 1000µm with nominal lengths of 16" (P1) and 32" (P2) and Amazon's own 48" triple length bag.

The **84 SERIES** is free standing with side inlet and outlet connections. These standard diameter filter housings offer great flexibility in terms of high flow and high dirt capacity whilst requiring only a limited footprint.

Use of the inverted dished end style free standing **84 SERIES** housing is ideally suited to continuous process operations where economy and low volume hold up is paramount.

The **85 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. Widely used in the chemical process world, the **85 SERIES** housing, when equipped with the optional Rathmann style bolted closure, has proved to be the most popular model produced today. Distinguished by its economy, high build quality and wide ranging options list, this housing can be used in almost all areas of the liquids processing industry.

Product Features

- Positive bag seating mechanism to minimise risk of seal bypass
- Robust bag support basket assembly fabricated from perforated sheet rather than wire mesh for extra strength
- Internally and externally electropolished as standard
- Wide range of options available for connection sizes and types and materials of construction
- Rated at 10 bar liquid, 4.5 bar gas (85 Series only)

84 SERIES housings feature:

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

85 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



84 & 85 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:	84 SERIES Liquid - 10 Bar g Gas - N/A	85 SERIES Liquid - 10 Bar g Gas - 4.5 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" BSPM with Cap
Drain:	1/2" BSPM (84 Series Only)

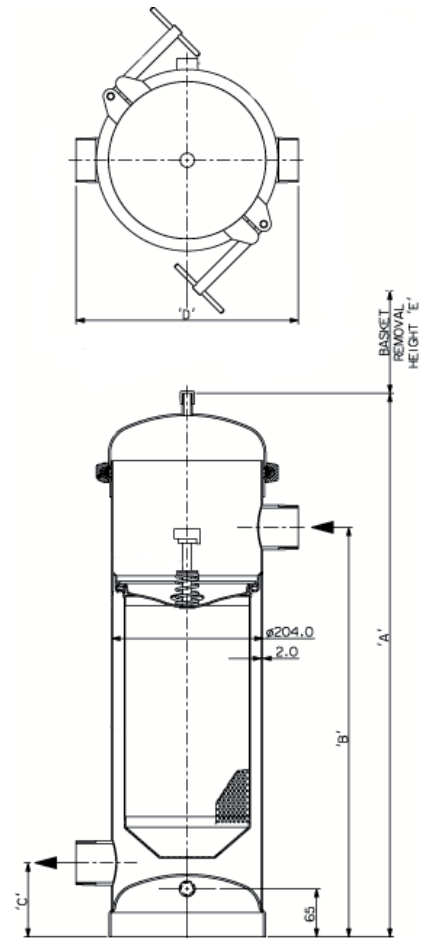
Model	Dimensions					Volume (Litres)	Dry Weight
	A	B	C	D	E		
84011UAN20A1EE	734	553	100	300	300	19.7	15.2
84012UAN20A1EE	1094	913	100	300	660	31.0	21.1
84013UAN30A1EE	1564	1353	135	320	1050	46.0	29.0

PED Status: Compliant with 97/23/EC

Fluid Groups:	84 SERIES Liquids Group 2	85 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.

84 Series drawing



ORDERING GUIDE

NUMBER OF BAGS 8401 - 1 Bag 8501 - 1 Bag	BAG COLLAR STYLE / SIZE U - Universal 7" T - Universal 7" with perforated base N - No Basket F - Ferrostik (magnetic insert)	MOUNTING 84 Series A - Bolt down plate N - None 85 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 3 - Triple (84 only)	CLOSURE A - Cast Vee Clamp (10 Bar) B - Hinged lid with screw clamps (10 Bar) Q - Hinged lid with St.Steel screw clamps (10 Bar)	CONNECTION SIZE 20 - 2" 30 - 3"	MATERIALS 1 - 316 St.Steel (L Grade)	GASKET / SEAL E - EPDM F - FEP / Silicone (flat cover only) S - Silicone V - Viton

Example: 84011AAN20A1EE = 84 Series, Single length bag, Amazon 5 1/2" bag collar, cast vee clamp closure, no mounting, 2" BSPM connections. 316L St.Steel with an electropolished finish and EPDM seals.

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