

87 SERIES



MULTI POT BAG FILTER HOUSING



The **87 SERIES** multi bag housings are designed for use with the Amazon **DuoLINE** A Series 5½" ring style bags. The top opening style is equipped with a Cast Vee clamp as standard (8703 model only) with the option of Rathmann style bolted closures for pressures up to 10 bar.g.

With a bottom outlet connection, the **87 SERIES** is ideal for batch applications, where free draining and frequent process changes take place.

Widely used in the chemical processing and water treatment world, the **87 SERIES** housing offers exceptional surface area with maximum economy. The slim line A Series **DuoLINE** bags maximise the available area for increased dirt capacity and flow when compared to the more conventional 7" diameter bags. With high build quality and a wide ranging options list, this housing can be used in almost all areas of the liquids processing industry.

The housing will accept the full range of Amazon bags ranging from 1 to 1000µm with nominal lengths of 32" and 48".

Product Features

- Closure options include Vee clamp (8703 only) or bolted style
- Bottom dished end to aid cleardown.
- Each housing hydrostatically pressure tested
- 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
- PED and ATEX Compliant



Accessories	
Pressure Gauge and Vent Valve Kit	
Pressure Gauge and Auto Vent Valve Kit	
Displacement Pod	

87 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

TECHNICAL DATA

Operating Conditions

Maximum Pressure: **8703**

Liquid: 6 Bar g (Vee clamp)

Liquid: 10 Bar g (Screw clamp)

Maximum Temperature: 110°C

8705

Liquid: 10 Bar g

110°C

Materials of Construction

Body:

8703

316L St. Steel

8705

316L St. Steel, 304 St. Steel

Closure:

Cast Clamp - 304 St. Steel *1

Screw clamps - Zinc plated carbon steel
(Optional stainless steel)

Finish

Vessel:

8703

Electropolished
Pickled

8705

Bead Blasted
Pickled

Basket:

Connections

Inlet/Outlet:

8703

4" Flange

8705

6" Flange

Model	Dimensions					Volume (Litres)	Dry Weight
	A	B	C	D	E		
87032AAB40C1EE	1478	1183	150	-	600	113	76.2
87033AAB40C1EE	1798	1503	150	-	900	144	87.6

Model	Dimensions					Volume (Litres)	Dry Weight
	A	B	C	D	E		
87052AJB60C1BE	1553	1371	200	320	750	191	232
87053AJB60C1BE	1873	1691	200	320	1050	242	246

PED Status:

Compliant 97/23/EC

Liquids Group 1 + 2

Marking:

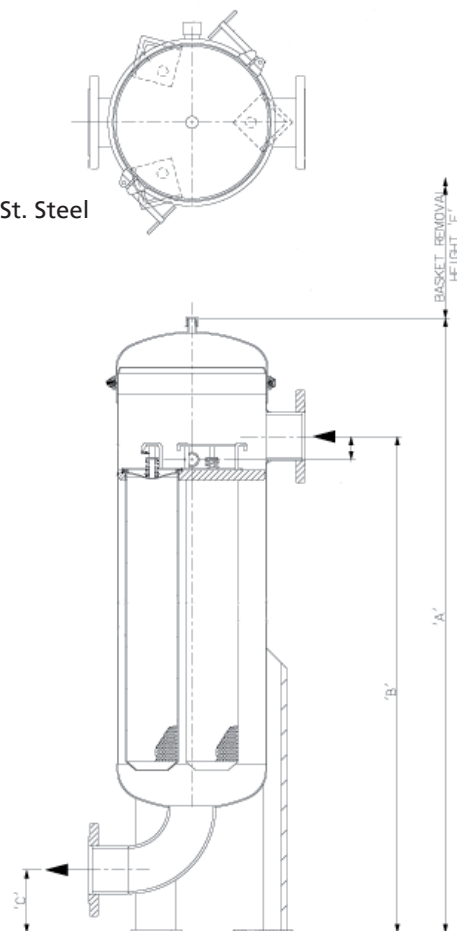
CE

Exceptions:

Group 1 liquids - Explosive

ATEX:

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



ORDERING GUIDE

NUMBER OF BAGS	BAG COLLAR STYLE / SIZE	MOUNTING	CONNECTION TYPE	FINISH
8703 - 3 Bag 8705 - 5 Bag	A - Amazon 5½" F - Ferrostik (magnetic insert)	B - Fixed legs	C - BS4504 Flange PN16 G - Table E Flange H - ANSI Flange 150# K - Stub Pipe S - DIN2633 Flange	E - Electropolished*1 B - Bead Blast*2
BAG LENGTH 2 - Double 3 - Triple	CLOSURE A - Cast Vee Clamp (6 Bar)*1 E - Lid with screw clamps (10 Bar)*1 J - Flat cover with screw clamps and davit (10 Bar)*2	CONNECTION SIZE 30 - 3" *1 40 - 4" *1 60 - 6" *2	MATERIALS 1 - 316 St. Steel (L Grade) 2 - 304 St. Steel *2	GASKET / SEAL E - EPDM F - FEP / Silicone (flat cover only) S - Silicone V - Viton

Example: 87032AAB40C1EE = 87 Series, 3 pot double length bag, Amazon 5½" bag collar, cast vee clamp closure, fixed leg mounting 4" BS4504 Flange PN16 connections. 316L St. Steel with an electropolished finish and EPDM seals.

*1 8703 only *2 8705 only

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