

86B SERIES

Bag Filter Housing

The **86B Series** In-Line filter housing offers a unique construction for bag filter applications in the liquid processing market. Our novel casting incorporates an integral one piece head with both inlet and outlet connections set In-Line. The unique construction retains a smooth and clean flow path.

The robust construction suits all areas of chemical and liquid processing plants. With minimal product hold up volumes and easy access to the disposable filter bag via the retained hinged lid, operators will always favour this style of housing when given a choice. Safety is also greatly improved for hazardous or high temperature fluids. The unique side entry and exit connections makes for the easiest of installation over the more conventional side entry, bottom outlet housings.

The **86B Series** filter assembly also offers a cost effective and practical filtration solution for many other liquid applications.

Available in 316L Stainless Steel is suitable for operating at pressure of up to 10 bar g at 150°C and has a flow capacity of up to 30m³/Hr. Two housing sizes are available for the 7" diameter bags, P1 (16") single length and P2 (32") double length. Our perforated basket accommodates most standard commercially available filter bags found on the market today including steel ring, moulded polypropylene and many other types.

Accessories	Part Number
Pressure Gauge and Vent Valve Kit 	60S000016
Single Displacement Pod	80S011S01
Double Displacement Pod	80S012S01
Vent Valve	60S000010
Drain Valve	60S000011

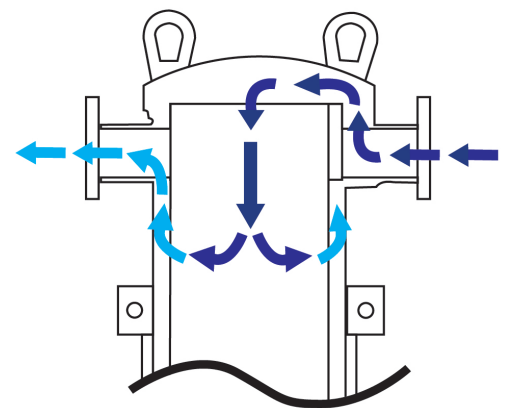


Features and Benefits

- In-Line connections for ease of installation
- Minimum floor space requirements
- Investment cast top cover and connections
- Swing bolt assemblies with eyenuts
- Vent tapping point on cover
- Clean and dirty drain point
- Housing customisation services available
- Each housing is etched with a unique serial number for full traceability

Improved Flow Path

The In-Line construction allows for ease of installation and a smaller foot print.



Product Range

Amazon Filters 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, Amazon Filters is able to offer a solution to meet all filtration requirements. Amazons' filters are manufactured in clean room conditions and all products come with detailed Product Validation Guides and Technical Support Documentation.



86B Series Technical Data

Maximum Operating Conditions

Pressure Range:	Liquid:	FV / 10 bar g
	Gas Group 2:	FV / 4.5 bar g
Temperature Range:	-10°C / 150°	

Materials of Construction

Body and Closure:	316L St.Steel
Bolting:	Carbon Steel

Finish

Vessel:	Bead blasted inside and out
Swing Bolts:	Zinc plated carbon steel (Optional Stainless Steel)

Connections

Inlet / Outlet:	2" BSPM/Flange
Vent:	¼" BSPF with Plug

Model	Dimensions					Volume (Litres)	Dry Weight (kg)
	A	B	C	D	E		
86B11UHC20A1BE	427	-	210-360	170	350	13.8	25.3
86B12UHC20A1BE	787	-	0-360	170	700	25.0	30.7

PED*/PESR Status:** Compliant with PED 2014/68/EU and PESR 2016 No. 1105

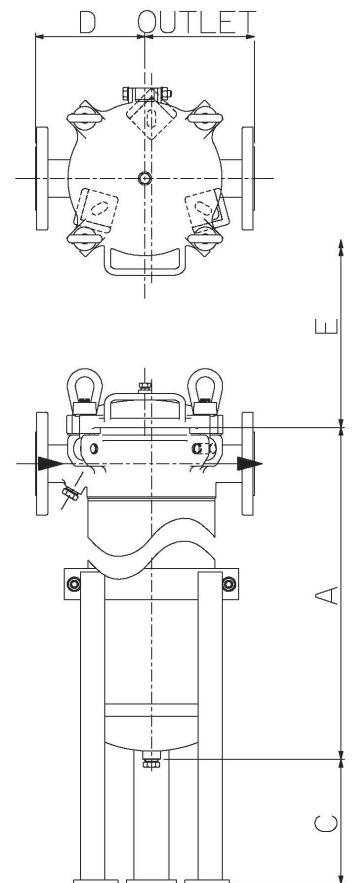
Fluid Groups: Liquids Group 1 + 2
Gas Group 2

Marking: CE
Exceptions: Group 1 liquids - Explosive

ATEX: Compliant with 2014/34/EU and Explosive Atmosphere Regulations 2016
II 2G Ex h IIC T150 Gb
II 2D Ex h IIIC T150 Db

* Pressure Equipment Directive

** Pressure Equipment (Safety) Regulations No. 1105



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

Ordering Guide

86	1	U	H	C	20	C	1	B	V
No of Bags	Bag Length	Bag Collar Style/Size	Closure	Mounting	Connection	Connection Type	Materials	Finish	Seal
B1 - 1 Bag	1 - Single 2 - Double	U - Universal 7" + Perforated Base N - No Basket	H - Zinc Plated Carbon Steel Swing Bolts W - St.Steel Swing Bolts	C - Adjustable Legs (Standard) N - No Legs	20 - 2"	A - BSPM C - EN1092-1 Flange PN16 H - ASME Flange 150#	1 - 316 St. Steel (L Grade)	B - Bead Blasted	E - EPDM V - Viton F - FEP / Silicone S - Silicone G - FEP / Viton

Example: 86B11UHC20C1BV = 86B Series, Single length bag, Universal 7" bag collar, Hinged cover with swing bolts, Mounted on Fixed Legs, 2" EN1092-1 Flange PN16 connections. 316L St.Steel with bead blasted finish and Viton seals.

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