

86 SERIES

AMAZON

BAG FILTER HOUSING

The **86 SERIES** has been designed to meet the demands of most liquid processing applications where bag filters have been selected. Our novel cast head incorporates an integral one piece inlet, double vent ports and features a special bolt retaining mechanism.

The robust construction has seen these housings utilised in all areas of chemical and liquid processing. 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 top entry, bottom outlet configuration holds almost 20% less in volume than the conventional side entry housing.

The **86 SERIES** filter assembly offers a cost effective and practical filtration solution for most liquid applications. It is available in either 316L Stainless Steel or Hastelloy C22. It is suitable for operating parameters of 10 bar at 150°C with 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 retains most standard commercially available filter bags found on the market today including steel ring, moulded polypropylene and many other types.

Product Features

- Robust hinged closure with quick opening swingbolts
- Minimal product hold-up volume
- Excellent access to bag support basket - right at the top of the housing
- Integral vent to aid efficient filter changeout
- Each housing is hydrostatically pressure tested
- Bead blasted finish inside and outside
- 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
- Rated at 10 bar liquid, 6 bar gas
- PED and ATEX Compliant



Accessories

Pressure Gauge and Vent Valve Kit



Pressure Gauge and Auto Vent Valve Kit



Displacement Pod



86 SERIES FEATURES AND BENEFITS

- Investment cast top cover and inlet flange
- Unique retained swing bolt assemblies with eyenuts
- Double vent tapping points on cover
- Available in both 316L Stainless Steel and Hastelloy C22 for maximum compatibility
- Wide range of options available for connection sizes and types and materials of construction
- Each housing is etched with a unique serial number for full traceability
- Full housing customisation service available

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TECHNICAL DATA

Maximum Operating Conditions

Maximum Pressure: Liquid: 10 Bar g
Gas: 6 Bar g
Maximum Temperature: 150°C

Materials of Construction

Body and Closure: 316L St. Steel
Hastelloy C22
Carbon Steel

Finish

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

Connections

Inlet/Outlet: 2" Flanged
Vent: 1/4" BSPF with Plug

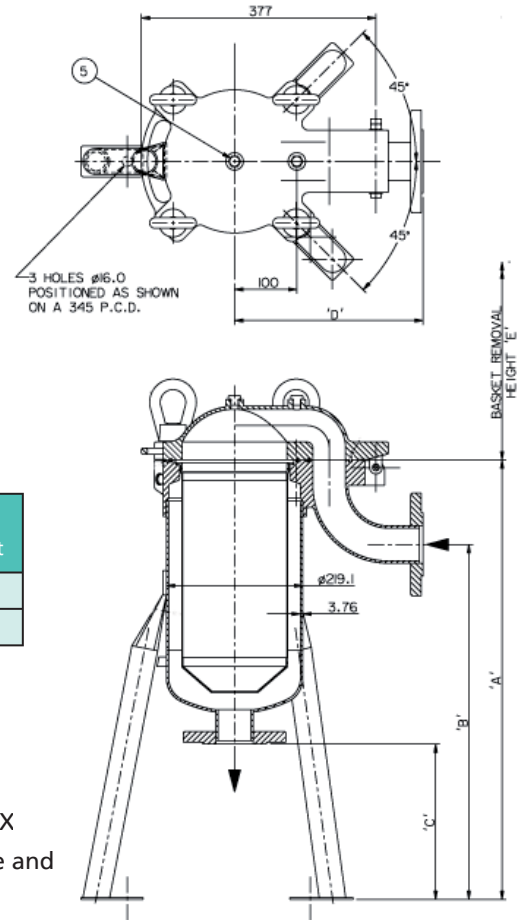
Model	Dimensions					Volume (Litres)	Dry Weight
	A	B	C	D	E		
86011UHB20C1BV	708	571	250	303	400	16.0	56.0
86012UHB20C1BV	1068	931	250	303	750	28.0	65.0

PED Status:

Fluid Groups: Compliant with 97/23/EC
Liquids Group 1 + 2
Gas Group 2

Marking: 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.



ORDERING GUIDE

NUMBER OF BAGS 01 - 1 Bag	BAG COLLAR STYLE / SIZE U - Universal (7") T - Universal with perforated base (7") N - No Basket	MOUNTING B - Fixed legs C - Adjustable legs	CONNECTION TYPE C - BS4504 Flange PN16 H - ANSI Flange 150#	FINISH B - Bead blasted
BAG LENGTH 1 - Single 2 - Double	BOLTING H - Zinc plated carbon steel swing bolts W - St. Steel swing bolts	CONNECTION SIZE 20 - 2"	MATERIALS 1 - 316 St. Steel (L Grade) 4 - Hastelloy C22	GASKET / SEAL V - Viton F - FEP / Silicone S - Silicone

Example: 86011UHB20C1BV = 86 Series, Single length bag, Universal 7" bag collar, Hinged cover with swing bolts, Mounted on Fixed Legs, 2" BS4504 Flange PN16 connections. 316L St. Steel with bead blasted finish and Viton seals.

AMAZON FILTERS LTD.

ALBANY PARK ESTATE, FRIMLEY ROAD,
CAMBERLEY, SURREY, GU16 7PG
ENGLAND

Tel: +44 (0) 1276 670 600

Fax: +44 (0) 1276 670 101

Email: sales@amazonfilters.co.uk

Web: www.amazonfilters.co.uk



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