

# 76B SERIES

## Hygienic Style Single Stack



The **76B Series** single cartridge housing is a high quality product specifically designed for critical applications. It is manufactured to provide a 0.4µm Ra crevice free sanitary finish on all internal surfaces. The hygienic design ensures the housing is easy to clean and can be sanitised or steam sterilised readily. The base of the housing is designed to offer lower pressure drops in high flow applications and to ensure self draining and cleaning.

**76B Series** housings are suitable for the filtration of both liquids and gases and will accept the full range of Amazon and industry standard code 7 (226) style single open-ended cartridges with nominal lengths of 5, 10, 20 and 30".

### Product Features

- 0.4µm Ra internal finish
- Rated at up to 10 bar g and full vacuum in gases
- Suitable for operating temperatures from -10°C up to 150°C
- High quality cast Vee clamp and threaded closure for ease of use, safety and security
- Offered with a wide range of connection sizes and types including Staubli connections
- Available for a range of cartridge lengths
- CE Marked
- Full traceability on all parts, material certification packs available
- Self draining



## Features and Benefits

- High quality internal and external surface finishes
- Minimal pressure drops in high flow applications
- Full sanitary design for use in aseptic applications
- Full vacuum rating in liquids and gases
- Every housing is etched with a serial number for full traceability
- Full housing customisation service available
- Housing design ensures minimum product hold up and is totally self-draining

## 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.



# 76B Series Technical Data

## Maximum Operating Conditions

Pressure Range: Liquid: FV / 10 bar g  
 Gas Group 1: 5" - FV / 10 bar g  
 10" - FV / 10 bar g  
 20" - FV / 9 bar g  
 30" - FV / 6 bar g

Temperature Range: -10°C / 150°C

## Materials of Construction

Body and Closure: 316L St. Steel  
 Clamp: 304L St. Steel

## Finish

Vessel: 0.4µm Ra mechanically polished inside and out with electropolish

## Connections

Inlet / Outlet: 1" or 1½" Tri Clamps

Model	Dimensions					Volume (Litres)	Dry Weight (kg)
	A	B	C	D	E		
76B107AF15L1US	386	51	-	217	350	1.6	4.2
76B117AF15L1US	393	51	-	217	350	2.8	5.5
76B127AF15L1US	769	51	-	217	600	4.6	6.2
76B137AF15L1US	1022	51	-	217	850	6.6	7.4

## PED Status:

Compliant with 2014/68/EU  
 Gas Group 1 + 2  
 Liquids Group 1 + 2

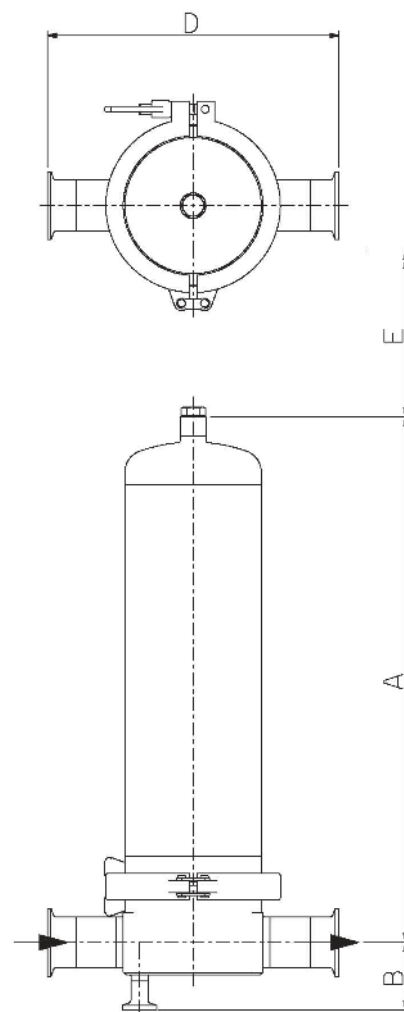
## Marking:

Exceptions: CE  
 Group 1 liquids - Explosive

## ATEX:

Compliant with 2014/34/EU, level CE Ex II 2 GD c X

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



# Ordering Guide

76B	0	7	A	F	15	L	1	U	S
No of Stacks	Cartridge Length	Cartridge End Cap Style	Closure Style	Mounting	Conne- tion	Conne- tion Type	Materials	Finish	Seal
1 - 1 Stack	0 - Single 5" 1 - Single 10" 2 - Double 20" 3 - Triple 30"	7 - Code 7	A - Cast Vee Clamp X - Threaded	F - ¼" BSP Vent G - ¼" Hygienic Vent Valve H - 1½" T / C Vent Only, No Clamp / Blank J - 1½" T / C with ¼" Hygienic Vent Valve, No Clamp / Blank R - ¼" Hygienic Vent Valve Assembly with PTFE Seal and Staubli RBE.03.6025 S - 1½" T / C with ¼" Hygienic Vent Valve Assembly with PTFE Seal and Staubli RBE.03.6025, No Clamp / Blank	10 - 1" 15 - 1½" 20 - 2"*1	L - BS4825-3 Tri Clamp C - EN1092-1 Flange PN16 H - ASME Flange 150# M - DIN11851 N - RJTM P - SMS M (Swedish) R - IDFM	1 - 316 st.st (L Grade) 4 - Alloy 22	U - 0.4µm Ra Internal polish and electropolish	S - Silicone T - PTFE/ Envelop* V - Viton E - Ethylene Propylene F - FEP/ Silicone** G - FEP/ Viton**

Example: 76B0107AF15L1US = 76B Series, 1 x 5" Code 7 cartridge, cast vee clamp closure, ¼" BSP vent, ½" Tri Clamp drain, 1½" Tri Clamp connections. St.Steel construction 0.4µm Ra Finish, Electropolished, Silicone seal.  
 \*1 On reducers  
 \* = A closure only. \*\* = X closure only.

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