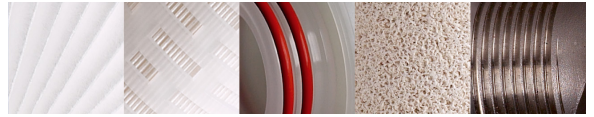


# 72C SERIES IN-LINE

## ASME BPE Single Stack Filter Housing



The **72C Series** In-Line single cartridge housing is designed specifically for critical filtration applications such as aseptic processing of biopharmaceutical products. It is ideal for applications where validated cleaning between batches is paramount. The hygienic, self-draining design ensures no residual product hold up when in the vertical position for critical filtration applications such as the processing of Biopharmaceuticals, API's and Cosmetics.

The **72C Series** housing will accept the full range of Amazon Single Open End industry standard cartridges ranging from 0.03 to 40µm with nominal lengths of 10, 20 and 30".

Conformance to the ASME BPE standard guarantees:

- All wetted parts are manufactured in 1.4435 stainless steel with strict control of ferrite level (base metal <1%, welds <3%)
- Full traceability on materials of construction
- Designed to eliminate dead legs and ensure easy cleaning between production batches
- Full documentation pack
- ASME BPE Tri-clamp ferrules



## Features and Benefits

- In-line configuration allows easy incorporation into process pipelines, simplifying design
- Manufactured from 1.4435 grade stainless steel with strict control on ferrite content for improved corrosion resistance
- Hygienic design with enhanced internal geometry to aid draining and facilitate batch to batch cleaning validation
- Spring body closure clamp to simplify filter changeout
- Every housing is etched with a serial number for full material and manufacturing traceability
- Standard single open end cartridge fitting, using Bayonet code 7 for security in forward and reverse flow operation

## 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.



**AMAZON**

# 72C Series In-Line Technical Data

## Maximum Operating Conditions

Pressure Range:	Liquid:	FV / 10 bar g
	Gas Group 1:	FV / 10 bar g - 5", 10" & 20" FV / 7 bar g - 30"
Temperature Range:	Gas Group 2:	FV / 10 bar g
		-10°C / 150°C

## Materials of Construction

Body and Closure:	1.4435 (wetted parts)
Clamp:	304 St. Steel

## Finish

Vessel:	Mechanically polished with Electropolish to SF4 (0.38Ra) internal and SF6 (0.64Ra) external. All internal welds fully ground.
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## Connections

Inlet/Outlet:	1", 1½" and 2" ASME BPE Tri Clamp ferrules
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Model	Dimensions					Volume (Litres)	Dry Weight (kg)
	A	B	C	D	E		
72C117AM15L1USRA	424	35	-	-	350	2.6	4.1
72C127AM15L1USRA	671	35	-	-	600	4.5	5.4
72C137AM15L1USRA	927	35	-	-	830	6.4	6.6

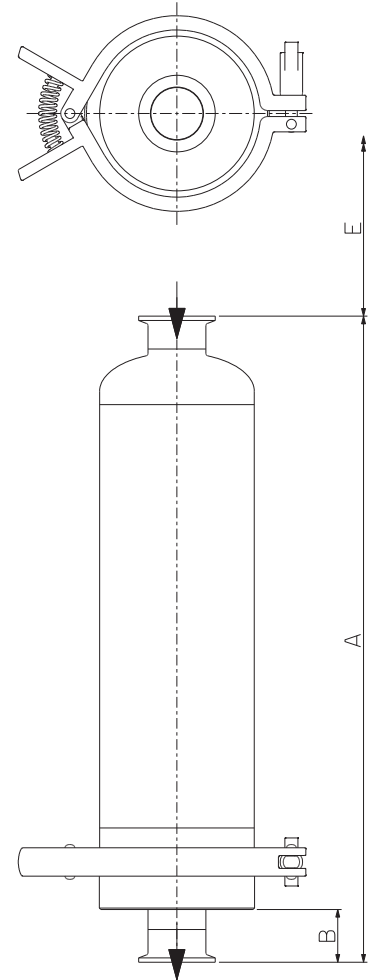
**PED\*/PESR\*\* Status:** Compliant with PED 2014/68/EU and PESR 2016 No. 1105

\* Pressure Equipment Directive

\*\* Pressure Equipment (Safety) Regulations No. 1105

Fluid Groups:	Gas Group 1 + 2 Liquids Group 1 + 2
Marking:	CE + UKCA

**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



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

## Ordering Guide

72C1	1	7	A	M	15	L	1	U	S	RA
No of Stacks	Cartridge Length	Cartridge End Cap Style	Closure Style	Mounting	Connection	Connection Type	Materials	Finish	Seal	
1	0 - Single 5" 1 - Single 10" 2 - Double 20" 3 - Triple 30"	7 - Code 7	A - Cast Vee Clamp with Spring <sup>1</sup>	M - In Line	10 - 1" 15 - 1 ½" 20 - 2"	L - ASME BPE Tri Clamp Ferrules H - ASME Flange 150#	1 - 1.4435 St. Steel	U - SF4 Internal SF6 External	E - Ethylene Propylene K - FFKM (Kalrez equivalent) H - Gylon <sup>2</sup> S - Silicone V - Viton	

Example: 72C117AM15LR1USRA = 72C Series, 1 x 10" Code 7 cartridge, cast vee clamp with spring, In Line mounting, 1½" Tri Clamp connections. 1.4435 St. Steel with SF4 internal and SF6 external electropolish.  
<sup>1</sup> = Clamp for Gylon seal will have nut and bolt closure, not spring  
<sup>2</sup> = A Style vee clamp closure only

# AMAZON FILTERS LTD.

Albany Park Estate, Camberley, Surrey, GU16 7PG, ENGLAND

Tel: +44 (0) 1276 670 600 Email: sales@amazonfilters.co.uk Web: www.amazonfilters.com

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