

# 74A SERIES

## Single Cartridge Housing



The **74A Series** single cartridge housing is available for elements up to 30" long. The plenum style configuration is ideally suited to both liquid and gas processes for pressures up to 10 bar g.

Mounted inline, this plenum styled housing will suit processes where there is a need to allow easy access to all internal areas, therefore assisting in the general cleanliness of the process system in which the filter is to operate. Having no loose internal components ensures easy and fast clean down procedures.

The **74A Series** housing will accept the Single Open End Code 7 cartridge with nominal lengths of 5, 10, 20 and 30".

### Product Features

- Inline style construction with optional specification finish
- Cast Vee clamp closure for ease of access
- Option screw clamp closure using DIN coupling
- No loose internals for trouble free operation
- Easy drain plenum feature for gas applications
- PED and ATEX compliant
- CE Marked



## Features and Benefits

- Standard single open end cartridge fitting, using the Bayonet lock code 7 for forward and reverse flow
- 316L construction for maximum corrosion resistance.
- Every housing is etched with a serial number for full traceability.
- Wide range of options available for connection size, style and cartridge lengths.
- Full certification available, PED and ATEX compliant, CE Marked

## 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. Amazon's filters are manufactured in clean room conditions and all products come with detailed Product Validation Guides and Technical Support documentation.



**AMAZON**

# 74A Series Technical Data

## Maximum Operating Conditions

Pressure Range:	Liquid / Air:	FV / 10 bar g
	Gas Group 1:	FV / 10 bar g - 5" & 10"
		FV / 8 bar g - 20"
		FV / 6 bar g - 30"
	Gas Group 2:	FV / 10 bar g - 5" & 10"
		FV / 10 bar g - 20"
		FV / 10 bar g - 30"
Temperature Range:		-10°C / 150°C

## Materials of Construction

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

## Finish

Vessel:	0.4Ra Clean Chamber
Internal Finish:	0.8Ra (where accessible)
External Finish:	0.8Ra + Electropolish all over

## Connections

Inlet / Outlet:	1½" Tri Clamp
Vent:	¼" BSPF
Drain:	¼" BSPF

Model	Dimensions					Volume (Litres)	Dry Weight (kg)
	A	B	C	D	E		
74A107AF15L1PS	319	94	-	172	230	2.8	3.2
74A117AF15L1PS	447	94	-	172	350	3.8	3.9
74A127AF15L1PS	702	94	-	172	600	5.7	5.2
74A137AF15L1PS	957	94	-	172	850	7.6	6.4

## PED Status:

Fluid Groups: Compliant with PED 2014/68/EU and PESR 2016 No. 1105

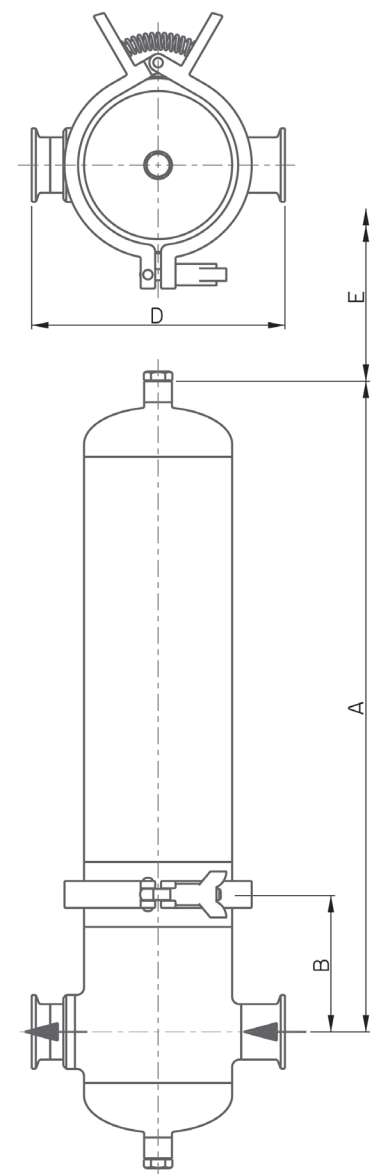
Marking: Gas Group 1 + 2  
CE - 10", 20" & 30" (Gas Group 1)

Exceptions: Group 1 liquids - Explosive  
Compliant with 2014/34/EU and  
Explosive Atmosphere Regulations 2016  
II 2G Ex h IIC T150 Gb  
II 2D Ex h IIC T150 Db

## ATEX:

\* Pressure Equipment Directive

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



## Ordering Guide

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

74A1	1	7	A	F	15	L	1	W	S
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 X - Screwed DIN Locking Ring and Nut	F - ¼" BSPF Vent / Drain G - ¼" Hygienic Vent Valve, ¼" BSP Drain H - 1½" TC vent only, No Clamp / Blank, ¼" BSP Drain J - 1½" TC with ¼" Hygienic Vent Valve, No Clamp / Blank, ¼" BSP Drain R - ¼" Hygienic Staubli Vent S - 1½" TC with 1/4" Hygienic Staubli Vent, No Clamp / Blank	10 - 1" 15 - 1 ½" 20 - 2"	C - EN1092-1 Flange PN16 H - ASME Flange 150# L - BS4825-3 Tri Clamp	1 - 316 st.st (L Grade)	P - 0.4Ra Clean Chamber. Internal Finish 0.8Ra (where accessible), External Finish 0.8Ra + Electropolish All Over	E - Ethylene Propylene (closure A only) H - Gylon* K - FFKM (Kalrez equivalent) S - Silicone V - Viton

Example: 74A117AF15L1PS = 74A Series, 1 x 10" Code 7 cartridge, cast vee clamp, ¼" BSPF vent/drain, BS4825-3 Tri Clamp connections, St.Steel construction with 0.4Ra clean chamber and electropolished externally, silicone seal.

\*1 = A Style vee clamp closure only.

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