

57 SERIES

Single Cartridge Housing



The **57 Series** single cartridge housing is available for elements up to 30" long. The plenum style configuration is ideally suited for gas processes up to 10 barg.

Mounted inline, the housing is designed with a large plenum chamber which prevents entrained condensed liquid blinding the gas filter during operation.

The downstream connection is mechanically polished to 0.4µm Ra to ensure a hygienic design through to the final process.

This style of housing is ideally suited to processes where the expense of a mirror polished external surface is not required. The external glass bead-blast finish provides a uniform finish that is practical and fit for purpose.

The **57 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 closure using DIN coupling
- No loose internals for trouble free operation
- Easy drain plenum feature for gas applications
- PED and ATEX compliant
- CE Marked



F Vent

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.



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57 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 - 30"
 Gas Group 2: FV / 10 bar g - 5", 10", 20" & 30"
 Temperature Range: -10°C / 150°C
 (-7°C / 150°C for FFKM seal)

Materials of Construction

Body and Closure: 316L St. Steel
 Clamp & DIN Closure Nut: 304 St. Steel

Finish

Vessel: 0.4Ra Clean Chamber
 Internal Finish: Pickled & Passivated
 External Finish: Glass Bead Blasted

Connections

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

Model	Dimensions					Volume (Litres)	Dry Weight (kg)
	A	B	C	D	E		
570107AF15B1WE	317	86	-	208	222	2.8	3.3
570117AF15B1WE	445	86	-	208	350	3.8	4.2
570127AF15B1WE	700	86	-	208	605	5.7	5.1
570137AF15B1WE	955	86	-	208	860	7.6	6.4

PED Status:

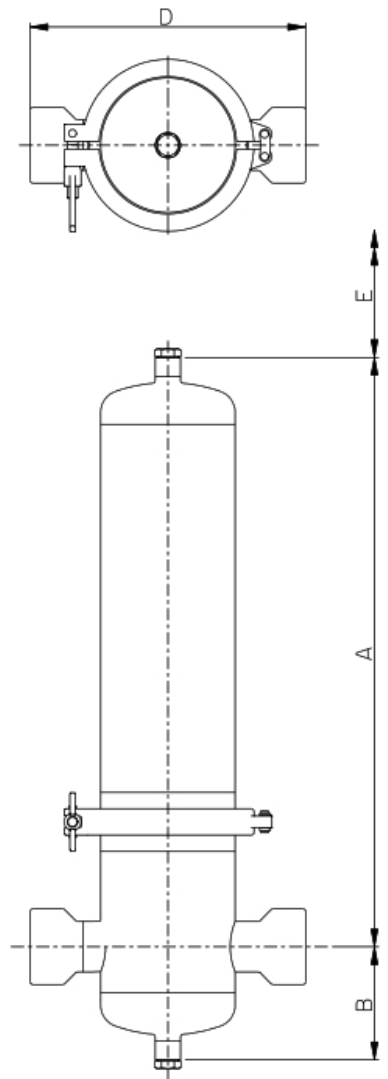
Compliant with 2014/68/EU
 Gas Group 1 + 2
 Liquids Group 1 + 2

Marking: CE - 10", 20" & 30" (Gas Group 1)
 Exceptions: Explosive for Liquids and Gases

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

5701	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
5701 - 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	10 - 1" 15 - 1 ½" 20 - 2"	B - BSPF C - EN1092-1 Flange PN16 H - ASME Flange 150# L - BS4825-3 Tri Clamp	1 - 316 St.St (L Grade)	W - 0.4Ra Clean Chamber Only, Glass Beed Blast External	E - Ethylene Propylene H - Gylon ¹¹ K - FFKM (Kalrez equivalent) S - Silicone V - Viton

Example: 570117AF15B1WS = 57 Series, 1 x 10" Code 7 cartridge, cast vee clamp, ¼" BSPF vent/drain, BSPF connections, St.Steel construction with 0.4Ra clean chamber and glass blast externally, silicone seal.
¹¹A 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