

74 SERIES JUNIOR

Hygienic Style Junior



The **74 Series Junior** cartridge housing is a high quality product available for elements up to 5" long and is targeted at the filtration of Gas in the Pharmaceutical and Beverage industries.

Mounted inline, this plenum styled housing will suit processes where biological security is of prime importance and where condensate can collect, it can be easily drained whilst maintaining a dry cartridge in position.

The highly polished stainless steel housing has no loose internal components and therefore ensures a easy and fast clean down.

It can also be used in low flow liquid processing applications where small, inline filters are required.

The **74 Series Junior** housings are suitable for the pre-filtration and final filtration of both liquids and gases. They can be supplied suitable for 'MCY 4463' style or 'Truseal' style Junior cartridges with either pleated depth or membrane filter media.

Product Features

- Inline style construction
- 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



F Vent

G Vent

H Vent

J Vent

R Vent

S Vent

Features and Benefits

- Ideal for small and medium scale processes.
- 316L construction for maximum corrosion resistance.
- Every housing is etched with a serial number for full traceability.
- Compact design enables use on a range of process equipment and compressed air and gas lines.
- Full certification available (PED and ATEX compliant)

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.



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74 Series Junior Technical Data

Maximum Operating Conditions

Pressure Range: Liquid / Air: FV / 10 bar g
 Gas Group 1: FV / 10 bar g
 Temperature Range: -10°C / 150°C

Materials of Construction

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

Finish

Vessel: 0.8 Ra Internal Finish (where accessible) + Electropolish

Connections

Inlet / Outlet: 1" Tri Clamp
 Vent: ¼" BSPF
 Drain: ¼" BSPF

Model	Dimensions					Volume (Litres)	Dry Weight (kg)
	A	B	C	D	E		
74010JAF10L1PS	241	62	-	134	135	0.78	1.4
74010TAF10L1PS	241	62	-	134	135	0.78	1.5

PED Status:

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

Marking:

SEP

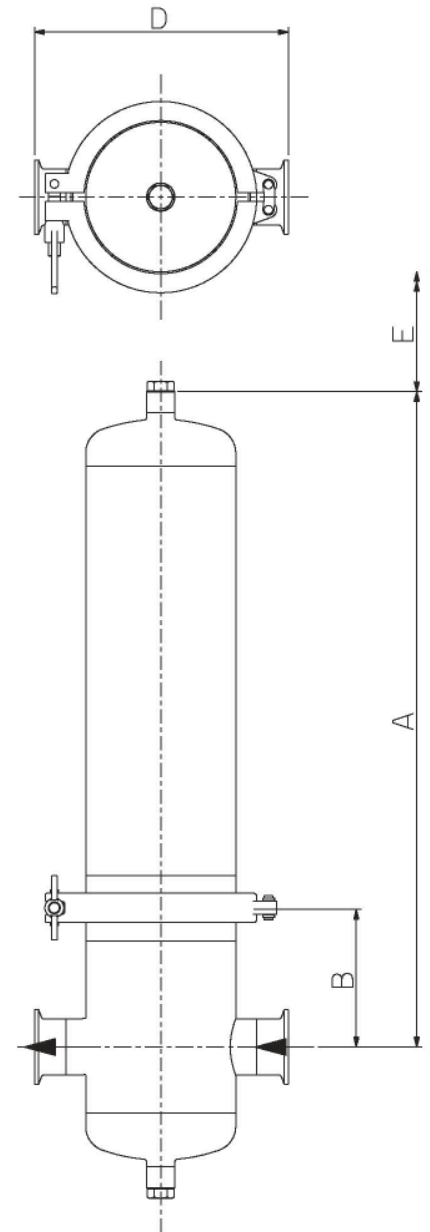
Exceptions:

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

7401	0	J	A	F	10	L	1	P	S
No of Stacks	Cartridge Length	Cartridge End Cap Style	Closure Style	Mounting	Connection	Connection Type	Materials	Finish	Seal
7401 - 1	0 - Single 5" A - 2 1/2"	J - Junior T - True Seal	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 - 1 1/2" TC vent only, No Clamp / Blank, ¼" BSP Drain J - 1 1/2" TC with ¼" Hygienic Vent Valve, No Clamp / Blank, ¼" BSP Drain R - ¼" Hygienic Staubli Vent S - 1 1/2" TC with 1/4" Hygienic Staubli Vent, No Clamp / Blank	10 - 1"	L - BS4825-3 Tri Clamp	1 - 316 st.st (L Grade)	P - 0.8Ra Clean Chamber, Electropolished	S - Silicone T - PTFE Envelope V - Viton E - Ethylene Propylene (closure A only) F - FEP / Silicone G - FEP / Viton (closure X only)

Example: 74010TAF10L1PS = 74 Series, 1 x 5" True Seal cartridge, cast vee clamp, ¼" BSPF vent/drain, BS4825-3 Tri Clamp connections, St. Steel construction with 0.8Ra clean chamber and bead blast externally, silicone seal.

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