

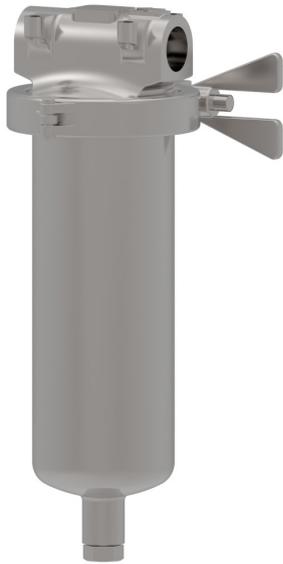
51A SERIES JUNIOR

Junior Filter Housing



51A Series junior cartridge housings are renowned for their high quality design and manufacture. They are suitable for a wide range of standard Single Open End junior cartridges containing either pleated depth media or membranes.

Therefore these housings can be used in a wide variety of final and pre-filter applications where liquids or gases need processing.



Product Features

- Quick release Vee Clamp Closure for easy opening
- Lightweight, high specification investment cast head
- Available in 316L stainless steel
- Rated to 20 bar g liquid, 20 bar g gas and full vacuum
- Can be used in temperatures from -10°C up to 150°C
- PED Compliant to Sound Engineering Practice
- Full traceability on all parts, material certification packs available

Applications

- Small to medium sized batch processes
- Product development and pilot plant applications
- Vessel vents
- Compressed air and gas lines
- General low to medium flow rates applications

Features and Benefits

- Investment Cast head (avoids the porosity & inclusion problems associated with lower quality sand castings)
- Integral vent or drain socket to aid efficient filter changeout complete with PTFE washer
- Every housing is etched with a serial number for full traceability
- Full housing customisation service available
- 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

51A Series Junior Technical Data

Maximum Operating Conditions

Pressure Range: Liquid: FV / 20 bar g
 Gas: FV / 20 bar g
 Temperature Range: -10°C / 150°C

Materials of Construction

Body and Closure: 316L St.Steel
 Clamp: 304 St.Steel
 Seal: Ethylene Propylene

Finish

Vessel: Externally polished sump, bead blast head

Connections

Inlet/Outlet: 1/2" BSPF
 Drain: 1/4" BSPF with Plug

Model	Dimensions					Volume (Litres)	Dry Weight (kg)
	A	B	C	D	E		
51A10JVN05B1CE	203	-	-	76	135	0.43	1.3

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

* Pressure Equipment Directive

** Pressure Equipment (Safety) Regulations No. 1105

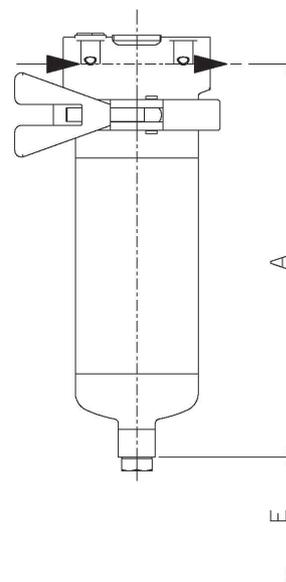
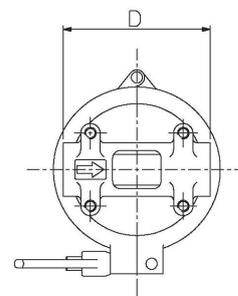
Fluid Groups: Gas Group 1 + 2
 Liquids Group 1 + 2
 Exceptions: Group 1 Fluids - Explosive

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

Marking: CE

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



Ordering Guide

51A1	0	J	V	N	05	B	1	C	E
No of Stacks	Cartridge Length	Cartridge End Cap Style	Closure Style	Mounting	Connection	Connection Type	Materials	Finish	Seal
51A1 - 1	0 - Single 5" A - Single 2 1/2"	J - Junior	V - Vee Clamp	N - None E - Bracket	05 - 1/2"	B - BSPF	1 - 316 st.st (L Grade) 4 - Alloy 22	C - Externally polished sump, bead blast head J - Externally polished sump, bead blast head (Alloy 22 option only)	H - Gylon E - EPDM S - Silicone V - Viton

Example: 51A10JVN05B1CE = 51A Series, 1 x Junior cartridge, Vee Clamp closure, No mounting, 1/2" BSPF connections, St.Steel construction with EPDM gaskets, externally polished sump with bead blast head.

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