

# 51 SERIES B-BLUE

## Single Stack Housing for B-Blue Cartridges



The **51 Series** single cartridge housing range is renowned for its high quality design and manufacture. These housings are designed to accept large diameter pleated and depth media **B-Blue** cartridges. They are fitted with a Vee clamp closure and are suitable for a wide variety of liquid and gas filtration applications.

The **51 Series** housing will accept the full range of Amazon **B-Blue** cartridges with removal ratings ranging from 0.5 to 150µm and with nominal lengths of 10" and 20".



### Product Features

- Quick release Vee Clamp Closure for easy opening
- Lightweight, high specification design
- Dual purpose head accepts SOE code 3 and DOE cartridges
- Suitable for either 10" or 20" cartridges
- Available in 316L stainless steel
- Wide range of inlet/outlet connection size and types available
- PED Compliant
- Full traceability on all parts, material certification packs available
- Rated at FV/10 bar liquid, FV/10 bar gas
- Double vents in head



Accessories	
Pressure Gauge and Vent Valve Kit	
Ball Valve and Nipple	
Stand	
Mounting Bracket	

## Features and Benefits

- Investment Cast head (avoids the porosity & inclusion problems associated with lower quality sand castings)
- Integral vents and drain sockets to aid efficient filter change-out complete with PTFE washer
- Unique configuration enables choice of SOE or DOE cartridge styles in the same housing
- Every 316L stainless steel constructed housing is etched with a serial number for full traceability
- Full housing customisation service available
- High specification bead blast finish
- DWI approved product

## 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**

# 51 Series B-Blue Technical Data

## Maximum Operating Conditions

Pressure Range:	Liquid:	FV / 10 bar g
	Gas Group 2:	FV / 10 bar g
Temperature Range:	-10°C / 150°C	

## Materials of Construction

Body and Closure:	316L St.Steel
Clamp:	304 St.Steel
Finish:	Bead blast head and bowl

## Connections

Inlet/Outlet:	1½" BSPF
Vents:	¼" BSPF with Plug
Drain:	¼" BSPF with Plug

Model	Dimensions					Volume (Litres)	Dry Weight (kg)
	A	B	C	D	E		
510110VK15B1BEBB	381	-	-	120	320	4.2	4.4 kgs
510120VK15B1BEBB	635	-	-	120	574	7.3	6.2 kgs

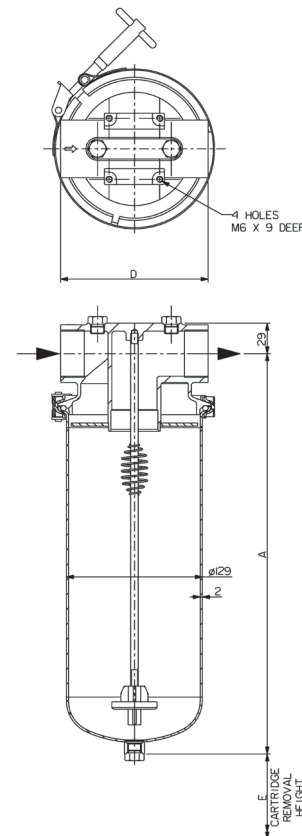
**PED\*/PESR\*\* Status:** Compliant with PED 2014/68/EU and PESR 2016 No. 1105

\* Pressure Equipment Directive

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

Fluid Groups:	Gas Group 2
	Liquids Group 1 + 2
Marking:	10": - SEP
	20": - CE
Exceptions:	Group 1 liquids - 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



## Ordering Guide

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

5101	1	0	V	K	15	B	1	B	E	BB
No of Stacks	Cartridge Length	Cartridge End Cap Style	Closure Style	Mounting	Connection	Connection Type	Materials	Finish	Seal	Cartridge
5101 - 1	1 - Single 10" 2 - Double 20"	0 - Code 0 3 - Code 3	V - Pressed Vee Clamp	K - Double Vent L - Double Vent, Bracket	15 - 1 ½"	B - BSPF C - EN1092-1 Flange PN16 H - ASME Flange 150#	1 - 316 st.st (L Grade)	B - Bead Blast all Over	E - EPDM F - FEP / Silicone S - Silicone V - Viton	BB - B-Blue

Example: 510110VK15B1BEBB = 51Series B-Blue, 1 x 10" DOE cartridge, pressed vee clamp closure, No mounting, 1 ½" BSPF connections. St.Steel construction with EPDM gaskets, bead blast all over.

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