

SHM sanitary mini filter housing

Junior cartridge T-style filter housings for food and pharmaceutical applications

The SHM series are specifically designed for small flows of gases at point of use in food, biological and medical applications. The stainless steel housings are available in many configurations and are manufactured in compliance with the industry standards and requirements.

Together with a wide range of Atlas Copco junior cartridges series PFP-G, PFG-G, SFG-G and SMT-G, they provide safe, reliable and efficient performance.



Key Features

- Crevice free, full penetration welding
- Mirror polish finishing
- Working pressure 10 bar
- Wide range of configurations available
- V-clamp closure for easy and quick maintenance

Applications

SHM housings are used for the filtration of small flow gases in Food & Beverage, Medical and Pharmaceutical industries.

Quality first

- Manufacturing acc. ISO 9001
- Design acc. PED 2014/68/EU
- Comply with EU Regulation No. 1935/2004
- Gasket material meets FDA title 21
- Certificates (material, finishing, etc.) on request

Protecting process, products and people

Atlas Copco's process filters optimize your productivity while protecting your process, product and consumers. Our portfolio of cartridges and housings covers all your filtration needs. The products are made from proven, high quality materials from reputable suppliers and manufactured in a controlled environment subjected to strict QA/QC procedures.



Technical specifications

Materials of construction

Housing	SS316L
Clamp	SS304
Material compliance	EU Regulation No. 1935/2004 and FDA21

Design

Design code	PED 2014/68/EU
Pressure (PS) min-max	-1 + 10 bar (-14 + 145 psi)
Test pressure	14.3 bar (207 psi)
Temperature (TS) min-max	-20 + 150°C (-4 + 302°F)

Finishing

External surface	Mirror polished
Internal surface	Mirror polished 0.4/0.8 µm

Options

- Pressure gauge SS 0-10/0-16 barg with vent valve and tee/nipple 1/4"
- Drain (ball) valve 1/4" BSPM with hose adapter



Product configuration

Series	Pressure Bar	Cartridges		Gasket Material	Closure Style	Drain/Vent Connections ¹	Finishing ²	Inlet/Outlet Connections ¹
		Length	Style					
SHM	10	J2.5"	CJ	S = Silicone	BC = V-Clamp	TC0.5"	M0.4	TC1"
		J5"		E = EPDM	SBC = Single Bolted Clamp	BSPF0.25"		BSPF0.5"
				V = Viton	DBC = Double Bolted Clamp	NPTF0.25"		NPTF0.5"

Example: SHM 10 J5" CJ S SBC NPTF0.25" M0.8 NPTF0.5"

Note : Some combinations are invalid, please check with the local Atlas Copco representative

¹ See table 'Connections'

² Internal mechanical polishing, roughness 0.4/0.8 µm

Connections

Drain/Vent Connections			Inlet/Outlet Connections		
Code	Type	Size	Code	Type	Size
TC0.5"	Tri-clamp ASME BPE	0.25"	TC1"	Tri-clamp ASME BPE	1"
BSPF0.25"	Threaded BSP Female + plug	0.25"	BSPF0.5"	Threaded BSP Female	0.5"
NPTF0.25"	Threaded NPT Female + plug	0.25"	NPTF0.5"	Threaded NPT Female	0.5"