



## SGH sanitary filter housing

### Stainless steel filter housings for food and pharmaceutical applications

The SGH series are specifically designed for compressed air and gas filtration in food, biological and medical applications. The stainless steel housings are available in a wide range of configurations and are manufactured in compliance with the industry standards.

Together with the Atlas Copco filter cartridges series cartridges series PFG-G, PFP-G, ARC, SFG-G and SMT-G, they provide safe, reliable and efficient performance.



#### Key features:

- Crevice free, full penetration welding
- Suitable for CIP/SIP
- Mirror polish finishing
- Working pressure 10 and 16 bar

#### Applications:

- Compressed air, nitrogen and other gases
- Point of use
- Pre-, after- and final filtration
- Particle removal, coalescing and sterilizing purposes

#### 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.



## Product specifications

Materials	
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)
	-1 + 16 bar (-14 + 232 psi)
Test pressure	14.3 bar (207 psi)
	22.9 bar (332 psi)
Temperature (TS) min-max	-20 + 150°C (-4 + 302°F)
Finishing	
External surface	Shot peened
Internal surface	Mirror polished (upstream) 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	Cartridge			Gasket Material	Closure Style	Drain/Vent Connection	Finishing	In/Outlet Connection <sup>1</sup>
		No.	Length	Style					
SGH	10	1	5"	C7	S = Silicone	BC = V-Clamp	TC0.25"	M0.4 <sup>2</sup>	TC1.5"
	16		10"		E = EPDM	DBC = Double Bolted Clamp	BSPF0.25"	M0.8 <sup>2</sup>	BSPF1.5"
			20"		V = Viton	BRB <sup>4</sup>	NPTF0.25"	NPTF1.5"	
								DN40/PN16	
									1.5"ANSI150#

<sup>1</sup> See table 'Connections'

<sup>2</sup> Internal mechanical polishing, roughness 0.4/0.8 µm

**Example:** SGH 10 1 10" C7 S BC BSPF0.25" M0.8 BSPF1.5"

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



## Connections

Drain/Vent Connection			In/Outlet Connection		
Code	Type	Size	Code	Type	Size
TC0.25"	Tri-clamp ASME BPE	0.25"	TC1.5"	Tri-clamp ASME BPE	1.5"
BSPF0.25"	Threaded BSP Female + plug	0.25"	BSPF1.5"	Threaded BSP Female	1.5"
NPTF0.25"	Threaded NPT Female + plug	0.25"	NPTF1.5"	Threaded NPT Female	1.5"
			DN40/PN16	Flange EN1092-1	DN40/PN16
			1.5"ANSI150#	Flange ANSI B16.5	1.5"ANSI150#

