



SLH sanitary liquid filter housing

Multi cartridge T-style filter housings for critical and demanding applications

SLH series sanitary housings are designed specifically for liquid filtration in Food and Beverage and Pharmaceutical industries. They feature enhanced cleanability and microbiological safety due to crevice-free, polished and hygienic design. Together with a wide range of Atlas Copco filter cartridges, they provide safe, reliable and efficient performance.



Key Features

- Specifically designed for sanitary applications
- Crevice free, full penetration welding
- Mirror polish finishing
- V-band closure with handles for safe and easy handling
- Adjustable legs for easy adjustment
- Suitable for CIP/SIP

Applications

SLH housings are used for liquids such as beer, wine, soft drinks, bottled water and many others in Food and Beverage and Pharmaceutical industries.

Quality first

- Manufacturing acc. ISO 9001
- Comply with EU Regulation No. 1935/2004
- Gasket materials used meet FDA title 21
- Certificates (materials, 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 (wetted parts)	SS316L
Clamp/bolts	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

Standard configurations & connections

Series	Cartridges		Volume l	PED Category	Closure Style	Inlet/Outlet Connections		
	No.	Length				Code	Type	Size
SLH	1	10"	3.0	4.3	BVB	TC1"	Tri Clamp ASME BPE	1"
		20"	4.8	4.3		PCM25	Male DIN11851	DN25
		30"	6.7	I		F25	Flange EN 1092-1	DN25
SLH	3	20"	12.6	I	BVB	TC1.5"	Tri Clamp ASME BPE	1.5"
		30"	17.8	I		PCM40	Male DIN11851	DN40
		40"	23.1	II		F40	Flange EN 1092-1	DN40
SLH	5	20"	20.0	II	BRB	TC2"	Tri Clamp ASME BPE	2"
		30"	29.1	II		PCM50	Male DIN11851	DN50
		40"	38.2	II		F50	Flange EN 1092-1	DN50
SLH	8	20"	35.5	II	BRB	TC2.5"	Tri Clamp ASME BPE	2.5"
		30"	49.7	II		PCM65	Male DIN11851	DN65
		40"	63.9	II		F65	Flange EN 1092-1	DN65
SLH	12	30"	88	II	BRB	TC3"	Tri Clamp ASME BPE	3"
		40"	112	III		PCM80	Male DIN11851	DN80
						F80	Flange EN 1092-1	DN80
SLH	18	30"	115	III	BRB	TC3"	Tri Clamp ASME BPE	3"
		40"	146	III		PCM80	Male DIN11851	DN80
						F80	Flange EN 1092-1	DN80
SLH	24	30"	151	III	BRB	TC4"	Tri Clamp ASME BPE	4"
		40"	190	III		PCM100	Male DIN11851	DN100
						F100	Flange EN 1092-1	DN100
SLH	30	30"	235	III	BRB	TC4"	Tri Clamp ASME BPE	4"
		40"	293	III		PCM100	Male DIN11851	DN100
						F100	Flange EN 1092-1	DN100

Product configuration

Series	Cartridges			Gasket Material	Closure Style	Drain Connections	Vent Connections	Finishing		Inlet/Outlet Connections
	No.	Length	Style					Internal	Rh ⁵ μm	
SLH	1	10"	C7	S = Silicone	BVB ¹	2TC1"	TC1"	M ³	0.8	TC
	3/5/8	20"		E = EPDM	BRB ²	2TC1.5"	TC1.5"	E ⁴		PCM
	12/18	30"		V = Viton		2PC25	PC25			F
	24/30	40"								

Example: SLH 5 30" C7 S BRB 2TC1" TC1" M0.8 TC2"

¹ Bowl + V-band ³ Mechanical polishing ⁵ Roughness

² Bowl + Rathmann bolts ⁴ Electropolishing