



SLH sanitary liquid filter housing

Single & 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

- Filtration of water and utility liquids
- Point of use filtration
- Pre-, after- and final filtration

Quality first

- Manufacturing acc. ISO 9001
- Comply with EU Regulation No. 1935/2004
- Gasket materials used meet CFR title 21
- Certificates (materials 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 CFR title 21
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	Fine brushed/mechanically 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" PCM25 F25	Tri Clamp ASME BPE Male DIN11851 Flange EN 1092-1	1" DN25 DN25
		20"	4.8	4.3				
		30"	6.7	I				
SLH	3	20"	12.6	I	BVB	TC1.5" PCM40 F40	Tri Clamp ASME BPE Male DIN11851 Flange EN 1092-1	1.5" DN40 DN40
		30"	17.8	I				
		40"	23.1	II				
SLH	5	20"	20.0	II	BVB	TC2" PCM50 F50	Tri Clamp ASME BPE Male DIN11851 Flange EN 1092-1	2" DN50 DN50
		30"	29.1	II				
		40"	38.2	II				
SLH	8	20"	35.5	II	BVB	TC2" PCM50 F50	Tri Clamp ASME BPE Male DIN11851 Flange EN 1092-1	2" DN50 DN50
		30"	49.7	II				
SLH	12	30"	88	II	BRB	TC2.5" PCM65 F65	Tri Clamp ASME BPE Male DIN11851 Flange EN 1092-1	2.5" DN65 DN65
		40"	112	III				
SLH	18	30"	115	III	BRB	TC2.5" PCM65 F65	Tri Clamp ASME BPE Male DIN11851 Flange EN 1092-1	2.5" DN65 DN65
		40"	146	III				
SLH	24	30"	151	III	BRB	TC2.5" PCM65 F65	Tri Clamp ASME BPE Male DIN11851 Flange EN 1092-1	2.5" DN65 DN65
		40"	190	III				
SLH	30	30"	235	III	BRB	TC3" PCM80 F80	Tri Clamp ASME BPE Male DIN11851 Flange EN 1092-1	3" DN80 DN80
		40"	293	III				

Product configuration

Series	Cartridges			Gasket Material	Closure Style	Drain Connections	Vent Connections	Finishing		Inlet/Outlet Connections
	No.	Length	Style					Internal	Ra ⁵ μm	
SLH	1	10"	C7	S = Silicone	BVB ¹	2TC1"	TC1"	M ³	0.4	TC
	3/5/8	20"		E = EPDM	BRB ²	2TC1.5"	TC1.5"	E ⁴	0.8	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

⁴ Electropolishing

² Bowl + Rathmann bolts

⁵ Roughness

³ Mechanical polishing



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