

Modular Assembly System for Stainless Steel Filter Housings



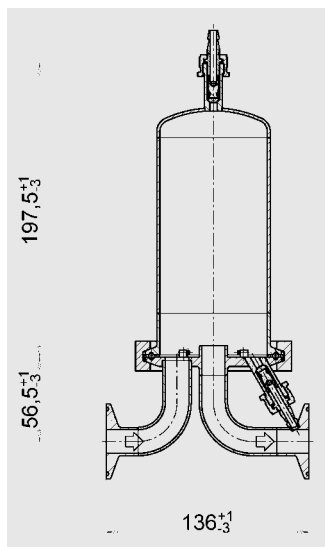
The Sartorius modular assembly system for filter housings combines highest flexibility with short delivery periods and favourable prices. With the help of a special software, the mini-, standard-single- and multisystems can be constructed by our field service locally. There is a choice of different construction heights, different de-aerations and tubing according to German Industrial Standards DIN, the ISO and the BSOD. Furthermore, triclamp, Flange or tube joint connectors are available according to the usual standards.

Stainless steel T-type for 0.05 m², 0.1 m² and 0.2 m² mini cartridges

Stainless steel housings for liquids for the particle or sterile filtration.

The housing features an air venting valve on the inlet side. The change of the mini cartridge with bayonet catch.

Suitable filter cartridges on page 59.



Quality standards for the modular system

Material	AISI 316 L
Surfaces	Interior: Ra < 0,5 µm Exterior: Ra < 1.6 µm
Temperature range	-10...+150°C
Pressure range	-1...+10 bar (1,000 kPa, -14.5 psi.. + 145.0 psi)
Adapter	Mini: 15 Standard: 25

Specifications

Connectors	Triclamp 50.5 mm (Sanitary flange)
Width	ca. 172.5 mm
Surface roughness	Product touching areas < 0.5 µm
Materials	Stainless steel AISI 316L, silicone O-ring
Max. operating pressure	10 bar (1,000 kPa, 145.0 psi)
Max. temperature	150°C

Order number

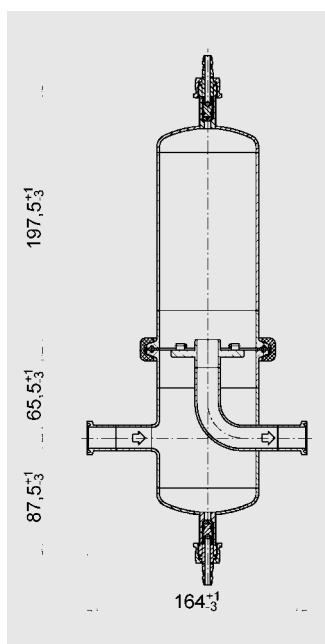
7M19LSB00085	Stainless steel mini cartridge housing for liquid filtration T-type
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Special brochure available on request. Order no. SPG1501-e

Housings for Sterile Air Venting and for Air | Gas Filtration



Housing for sterile venting



Housing for pressure gas filtration

Housing for sterile venting

The cut-outs in the top part of the housing guarantee a good air circulation and ensure the drying-out of the system after vapor deposition (avoidance of condensate formation). The base has a plug for the inner O-ring and a bayonet-lock for a firm hold of the inserted mini cartridges.

Housing for pressure gas filtration

The bowl accommodates the condensate which can be drained via a pharma-valve. The mini cartridge holder prevents the mini cartridge from contacting condensate water and ensures best vapor deposition conditions. Attachment of the mini cartridges like for the liquid housing, T-type (page 71). The housing follows PED 97/23/EC

Suitable filter cartridges on page 59.

Specifications for housing for sterile venting

Connector	DN 25 tube joint
Weight	Approx. 700 g
Height	Approx. 186 mm
Material	Stainless steel 1.4571 (= AISI 316)
Max. operating pressure	10 bar (1,000 kPa, 145 psi)
Max. temperature	180°C

Specifications for housing for pressure gas filtration

Connectors	Clamp 50.5 mm (sanitary flange)
Width	Approx. 164 mm
Surface roughness	Product contact areas <0.5 µm
Materials	Stainless steel AISI 316L, silicone O-ring
Max. operating pressure	10 bar (1,000 kPa, 145 psi)
Max. temperature	150°C

Order numbers for housing for sterile venting

350019V15-K025A	Stainless steel mini cartridge housing for the sterile venting of housings and tanks, with DN 25 tube joint and bayonet-lock for the inserted mini cartridge.
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Order number for housing for pressure gas filtration

7M19LSB00098	Stainless steel mini cartridge housings for air pressure gas filtration.
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Special brochure available on request. Order no. SPG1501-e