



Multi-Rounds

Multi-Rounds Filter Housings

Product Information

Quality gas or liquid filtration systems require both quality housings and quality filter cartridges. To meet this need, Sartorius Stedim Biotech has been producing a sanitary line of housings with quality as the primary objective. Sartorius Stedim Biotech multi-round housings have been designed to meet the scale-up requirements of pharmaceutical and biotechnology processing.



These housings are designed specifically for sterile filtration with special attention taken with the choice of materials, durability, cleanability, ease of use and quality control.

Quality of Materials

Only 316L Stainless steel is used for all wetted surfaces to provide maximum durability. Supplied O-rings and gaskets are compounded only from FDA approved materials that meet the requirements for direct contact with food and pharmaceutical products.

Quality Surface Finishes

All Sartorius Stedim Biotech Sanitary housings come standard with internal finishes of at least 0.5 micron Ra and are electropolished. Electropolishing removes surface impurities in stainless steel left over from the machining and the finishing processes. Such impurities are sites for future initiation of corrosion and possible sources of contaminants leaching into the product. Electropolishing also smoothes the microscratches left by mechanical polishing, thus reducing the total surface area the product will contact, and making it harder for bacteria or contaminants to lodge on leaves a highly corrosion resistant,

passive film on the surface of the steel (passivation). Thus electropolishing is the recommended finish for all applications where cleanliness and corrosion resistance are critical.

Ease in Cleaning

Sartorius Stedim Biotech utilizes a unique filter cup design that is conducive for allowing a thorough cleaning. CIP caps are also available.

Quality Control and Documentation

An important feature of pharmaceutical process validation is documentation. All our housings are given stringent inspections during and after manufacturing including dimensional checks, weld inspections, surface measurements and hydrostatic testing. Each housing is labeled by laser with a matching serial number on the bell and base. This serial number provides complete tractability for the Quality Control Certificate, Material Test Reports, and Weld Logs.

Ease of Installation

Sartorius Stedim Biotech housings are sold ready to install with all gaskets, O-rings and clamps. All that is required are the components needed to connect to your existing hardware.

PED 2014/68/EU Standard

Sartorius Stedim Biotech Stainless Steel Housings are designed and manufactured according to the Pressure Equipment Directive 2014/68/EU. Our manufacturing process follows the highest quality standards and is monitored by an internal quality control system as well as by independent notified bodies on a regular basis.

Technical Data

Specifications

Materials

All Wetted Surfaces	316 L
Clamps	304
Seals	Silicone (Fluoroelastomer or EPDM optional)

Available Heights

3-Round	10", 20", 30", 40"
5, & 7 Round	10", 20", 30", 40"

Surface Finishes

Interior	Ra <0.5 µm EP
Exterior	Ra <1.6 µm EP

Housing Ratings

Pressure	-1 +10 bar
Temperature	-10 +150°C

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