

FILTER HOLDER FA01

DATASHEET



FILTER HOLDER

Vinci filter housings are designed for small- to medium-volume sanitary applications, providing reliable and efficient filtration performance. They are suitable for gas filtration with flow rates up to 100 Nm³/h (60 SCFM) and for liquid filtration up to 7.5 L/min (2 gal/min). All housings are manufactured from AISI 316L stainless steel, ensuring excellent corrosion resistance and hygienic compatibility.

Developed for GMP-compliant processes, these low upstream volume filter housings support high product yields while minimizing installation and maintenance costs. Their design ensures operational simplicity and ease of cleaning. Advanced manufacturing technologies, including CNC machining, automatic orbital welding, and electro-polishing, deliver a robust and highly sanitary construction that meets the most stringent pharmaceutical and bioprocessing requirements.

DESIGN FEATURES

- **Aseptic design**, with electropolished surfaces providing typical internal Ra values < 0.4 µm (< 15 µin), free from crevices and dead legs, and fully self-draining geometry;
- **Redesigned valve system** enabling easy operation, simplified maintenance, and reliable filter integrity testing;
- **Design optimized for CIP/SIP** processes, ensuring effective cleaning and sterilization in place;
- **Accepts one 5" or 10" cartridge filter** for gas and steam filtration applications;
- **Wide range of connection options**, allowing flexible integration into existing installations;
- Cartridge retention by integrated flanges and double O-ring sealing, ensuring secure positioning and leak-tight operation;
- **Standard configuration** including 3/4" sanitary flange inlet/outlet, 3/4" sanitary flange for vent/drain valve, and 1/2" sanitary flange for manometer connection;
- **Sanitary vent** and drain valves allowing easy venting, draining, sampling, and integrity testing operations.

SPECIFICATION	
Maximum Operating Pressure	-1 to 10 barg (-14.5 to 150 psig)
Maximum Operating Temperature	150 °C (300 °F)
MATERIALS	
All Product Wetted Parts	AISI 316L
V-Clamp	AISI 316L
Seals	Silicone elastomer
Surface Finish	All electropolished Internal: Ra < 0.4 µm (< 15 µin.) (typical) External: Ra < 0.8 µm (< 32 µin.) (typical)

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Specifications subject to change without notice.
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