This versatile, sanitary design filter housing is used for the clarification, sterilization, or high-purity filtration of liquids and gases. The housing provides high reliability and security for continuous or point-of-use service, as well as for small batch processing applications.

**Design Features**

- Accepts one 2.5" or 5" length cartridge filter of 2.25" outer diameter
- Flow rates to 5 gpm for liquids, or 70 scfm for gases
- Electropolished 316L stainless steel construction gives maximum durability and corrosion resistance
- Quick-release clamp closure allows easy disassembly and fast cartridge filter replacement
- Effective in critical sanitary or high purity service applications
- Extremely low hold-up volume for high recovery of valuable liquids
- Smooth, ultraclean surface finish enhances cleanability
- True sanitary design prevents entrapment and build-up of contaminants
- T-type flow configuration with inlet and outlet on the same centerline
- Thermal jacketed bowl available for steam or coolant circulation
- Sanitary vent and drain valves permit easy venting, draining, sampling or integrity testing operations

*Graphs are valid for 2.5" and 5" housings*
Specifications

Materials of Construction
Head & Bowl: 316L stainless steel
Cast Clamp: 304 stainless steel
Closure O-ring: Silicone standard*
Valve Seal Tip: Teflon®
Valve O-ring: Silicone standard*
*Buna, EPR, Viton® and Teflon® optional

Surface Finish
Wetted surfaces are polished to ≤ 25-µin Ra finish. Exterior surfaces are polished to buffed-mirror finish. All surfaces are electropolished.

Service Ratings
Liquid: 250 psig at 70°F (17 bar @ 21°C)
Air/gas: 125 psig at 70°F (9 bar @ 21°C)

Connections
Inlet/Outlet: 1□ sanitary flange (SF)
Jacket Ports: 1/4□ NPT or 1/2□ SF
Vent/Drain Valve: 1/4□ hose barb standard

Cartridge Length (Nominal)
2.5□ or 5□ (63.5 mm or 127 mm)

Cartridge Connections
Accepts single-open-ended (SOE) cartridge filter having a 2.25□ outer diameter and fitted with an internal, -116 O-ring style adapter. The cartridge filter is secured in place when the housing is fully assembled.

Sterilization
The housing can be inline steam sterilized, autoclaved or hot water sanitized.

Mounting
The housing can be mounted and supported on suitably braced, rigid pipe connections.

Options
In addition to our standard housings, Meissner Filtration Products, Inc. designs and manufactures specially engineered filter housings to meet unique design or process requirements. Variations include, but are not limited to: custom surface finishes to 10-µin Ra, custom connections such as RF flange or other special fittings, custom vent and drain placements, as well as gauge ports. If you need a housing with a unique combination of features, Meissner will custom engineer it to meet your specific requirements. Contact us for more details.

Safety
Each Meissner housing is individually inspected, tested and serialized to ensure the highest quality and safety.

Ordering Information

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Replacement Parts & Accessories

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