

SCOTT LABORATORIES INDUSTRIAL & SANITARY CARTRIDGE HOUSINGS

Quality Industrial Housings Combine Outstanding Materials and Superior Craftsmanship

Scott Laboratories industrial stainless steel housings are made of highly corrosion-resistant, low carbon 316L stainless steel. 316L stainless steel is the material of choice for high quality filter housings because of its superior strength, corrosion resistance, and excellent chemical compatibility.

For added assurance of performance, our industrial housings are electropolished. Electropolishing reduces surface area, minimizing the possibility of contamination adhering to the surface, improves cleanability, and improves corrosion resistance.

A versatile cup and post filter connection design allows the use of a wide range of cartridge seal configurations. Available in a range of sizes, Scott Laboratories industrial housings can accommodate from one 5-inch to eighty-four 10-inch cartridges to satisfy most any volume requirement.

Sanitary Housings

Specifically designed to meet the stringent cleanliness requirements of the pharmaceutical and food and beverage industries. Our special sanitary design assures access to all housing areas for cleaning and prevents contamination because they are designed without threads often found in drains, vents or inlet/outlet connections. In addition, these housings are constructed only of high-quality 316L stainless steel for superior corrosion protection. The housing surface is ground to a 32 Ra finish followed by an electropolishing step for optimum cleanliness and smoothness.

Benefit Summary

- Ultraclean, electropolished surfaces provide a finish which helps prevent bacteria and particles from adhering to the surface, corrosion resistance, and provides a smooth surface that can be easily cleaned.
- Easy to clean. Housing design enables shell removal, allowing access to areas around filters, including O-rings, for ease of cleaning.
- Corrosion-resistant 316L stainless steel construction offers superior performance compared to other alloys. Low-carbon stainless steel helps protect the welds against corrosion.
- Low-pressure-drop design. 3-round housing design features include an efficient flow pattern and elbows on inlet and outlet to reduce pressure drop.

- Choice of connection for greater flexibility. Cup and post filter connector allows choice of 222, 120, or gasket seal. Also available with optional 226 O-ring cup with locking mechanism.
- Simplified installation. T-style flow pattern makes cartridge and housing installation easier.

Customizing Capabilities to Meet Special Requirements

Sometimes unique requirements call for special changes in housings. Because we have our housings manufactured locally, we offer you the flexibility to provide for your special needs. Scott Laboratories can meet your filter housing requirements because we design, engineer and manufacture each housing according to our own strict specifications, as well as to meet your specialized application requirements.

Features and Advantages

- Full-length threaded hold-down rods with hold down plate assure a positive cartridge seal.
- 1/2-inch NPT drain and vent ports allow for complete and easy drainage of the vessel.
- Holds 10, 20, 30 or 40-inch cartridges. Housing accommodates 3,6,9, or 12 10-inch cartridge equivalents.
- 120 psi pressure rated for liquid applications providing added assurance of high-pressure stability.
- Individually hydrostatic pressure tested to provide assurance of cartridge housing integrity and reliability.

Typical Applications

- **High-purity water**
- **Food and beverage processing**
- **High purity chemicals for semiconductor and microelectronics chemicals processing**
- **Other process applications where cleanliness and durable construction are essential**

Standard Product and Options (in Parentheses)

	Sanitary	Industrial
Sizes (no. round)	1 – 12	1 – 21
Length	5” – 40”	5” – 40”
Filter Connections	222, 226, (020)	222, (226,020, Gasket)
Inlet/Outlet	Sanitary TC, (Butt Weld, 150# Flg)	NPTF, (150# Flg, Butt Weld)
Vent Drain	Sanitary Valve, (1/2” TC)	NPTF (1/2” TC)
O-ring Material	Silicone, (Viton, EP, Teflon)	EP (Viton, Silicone, Teflon)
Surface Finish	Alternate surface finishes available upon request	Alternate surface finishes available upon request