

# Spiraltek Rolled Filters



Figure 1: Spiraltek Rolled Filters

## Description and Use

The Spiraltek encapsulation and Quick Change housing (Figures 1 and 2) allow safe and easy filter replacements. This shortens production down time, eliminates handling of heavy housing tops, reduces cleanup time and simplifies filter disposal.

## Typical Applications

- Photographic Emulsions
- Magnetic Media
- Viscous Fluids
- Inks
- Glycols

## General Properties

### Features and Benefits

- High Dirt Holding Capacity
- Low Resistance to Flow/High Viscosity
- High Efficiency
- Jell Slug Removal
- Encapsulated Dry Sump

### Available Pore Size Ratings

- 20, 40, 70 and 100 microns
- Call for custom micron sizes

### Materials of Construction

- Polypropylene Filter Core and Support
- Polypropylene Media (16.5 ft<sup>2</sup>)
- Fiberglass Reinforced Polypropylene Encapsulation
- Valves of Polypropylene
- Valve Springs of 316 Passivated Stainless Steel
- O-Rings of EPR
- Low Density Polyethylene Cap Plugs

## Additional Information

- Spiraltek filters solve problems in a wide range of applications because their spiral wound design creates a sweeping, tangential flow across the media. This provides an exceptional dirt-holding capacity while retaining the efficiency and sharp cut-off of the thin media. The unique flow dynamics also allow superior retention of amorphous solids, and improve performance in high viscosity fluids.



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**Figure 2: Spiraltek encapsulation and Quick Change housing**

- During change-outs, Spiraltek's check valves self-seal to contain the contents, decreasing cleanup time and personnel hazards. For additional precaution against leaks, use cap plugs (provided with filter) to cover the check valves.
- Variations in fluid flow characteristics, crossflow particle removal mechanisms, and the effects of deformable particles, make flow vs. pressure predictions unreliable. However, the GE Water & Process Technologies Trials Program allows you to borrow a Quick Change Bracket at no charge so that you can accurately demonstrate rolled filter performance for your filtration requirements.