

# WESTCO FILTERS

Liquid Filter Solutions since 1982

## Resigard RG Series Resin Molded Cartridges

**Westco Resigard RG Series** cartridges have a unique, proprietary two-stage filtration design to maximize particle retention and service life in viscous fluid filtration applications. An outer, spiral, prefilter wrap, made from a fiber blend of polyester and acrylic, increases cartridge strength and eliminates residual debris associated with conventional or machined and grooved, resin bonded cartridges.

**Resigard** filter cartridges are available in eight differentiated removal ratings of 2, 5, 10, 25, 50, 75, 125, 150 microns pore sizes to meet a wide range of performance requirements.

### Benefits

- Outer, spiral wrap collects large particles and agglomerates, while inner layers control particle removal at rated size
- Outer wrap increases surface area and eliminates loose debris and contamination caused by machined products
- Extra-long acrylic fibers provide added strength, resist breakage and migration common with competitive "short fiber" cartridges
- Available with optimal single- open-end seals (222 o-ring with flat cap) in ABS or nylon
- Phenolic resin impregnation strengthens cartridge for use with high viscosity fluid
- Withstands pressure surges up to 150 psid across cartridge (depending on fluid temperature)
- One-piece construction eliminates bypass concerns with multilength cartridges and eases change out
- Silicone-free construction ensures no contamination to adversely affect adhesion properties of coatings

### **Maximum Recommended Operating Conditions:**

Flow Rate: 5 gpm per 10 in length (18.9 lpm per 254 mm length)

Temperature: 250°F (121°C)

### **Maximum Recommended**

Change Out  $\Delta P$ : 50 psid (3.5 bar)

Recommended Maximum Differential Pressure:

*Cartridge Pressure Resistance:*

150 psid (10 bar) @ 70°F (21°C)

125 psid (8.6 bar) @ 100°F (38°C)

90 psid (6.2 bar) @ 150°F (65°C)

65 psid (4.5 bar) @ 180°F (82°C)

25 psid (1.7 bar) @ 250°F (121°C)



### Applications

- Paints
- Plasticizers
- Printing Inks
- Waxes
- Adhesives
- Oilfield Fluids
- Resins
- Process Water
- Emulsions
- Petroleum
- Chemical Coatings Products
- Organic Solvents

### **Environmental/Chemical Compatibility:**

Classified as a nonhazardous material

- Incinerable (8000 BTU/lb)
- Crushable and shredable
- Certified silicone-free
- Suitable for weak acids and bases (pH 5-9)
- Unsuitable for oxidizing agents
- Not recommended for FDA applications