



# Breathe easy.

Industrial Filter Bags from RD Smith

## Quality products, fast service, outstanding prices

Our filter bags are made in the U.S.A. by a reputable manufacturer with over 30 years of experience. They have manufactured hundreds of thousands of filter bags for dust collection and product recapture applications in every industry. We also provide a full line of cartridge filters and pleated bags, liquid filter bags, cages and other accessories. We will custom design filters to meet your needs, ensuring the proper fitting you require. We offer fast service, competitive pricing and assistance in trouble shooting filtration issues.



### FILTER BAGS

- A Top Load/Snap Band Top/  
Circle Bottom
- B Liquid Bag
- C Flange Top/Circle Bottom
- D Plain Top/Ground Wire
- E Plain Top/Circle Bottom
- F Hem Top and Bottom
- G Top Load/Snap Band Top/Circle Bottom
- H Flat Bottom/O-ring Top
- I Plain Top/Circle Bottom
- J Load Top/Expander Ring/Doubled  
Beaded Snap Band Bottom
- K Grommet Top with Expander Ring/  
Two-spring Section Bottom
- L Oblong Circle with Grommet Bottom/  
Plain Top

### CARTRIDGES & PLEATED BAGS

All materials, top and bottom sizes and configurations available.



### CAGE STYLES

All cage styles available.

- American Air Filter
- ABB Air Preheater (CE)
- Aeropulse
- Airtrol
- Amerex
- Bact
- Barber Green
- Belco
- Emtrol
- Flakt
- Flex Kleen
- Fuller
- Griffin
- Johnson March
- MikroPul
- Pneumafil
- Staclean
- Wheelabrator
- Young
- Zurn
- Other \_\_\_\_\_
- Other \_\_\_\_\_



Contact RD Smith  
at 800-826-7336

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## How to order fabric filters

Simply specify the body style (including top and bottom configurations on front page), dimensions, fabric and finish.

### Body Styles

**Bag:** A filter body that is open only at one end. Usually cylindrical in shape.

**Envelope:** Constructed from a flat piece of fabric that is stitched or folded closed on three sides and open on the fourth.

**Multi Bag:** A flat filter bag that is stitched so that it creates several adjacent or tangential tubes when inflated. Each tube may have its own opening or there may be a common opening for several tubes.

**Tapered Tube:** A tube filter with different diameters or circumferences at each end.

**Tube:** A filter body that is open on both ends. Usually cylindrical in shape.

### Fabrics

There are two major categories of fabrics, nonwoven felts and wovens. The right choice for you depends on your air flow requirements and the other characteristics of your application.

**Nonwovens:** Nonwovens include fabrics engineered to withstand high temperatures such as aramids (375° S.O.P.), P84 (500°), polyester felts of various weights (275°), polypropylenes (195°) and many others. In addition to airflow and operating temperature, other relevant considerations include the ability of the fabric to withstand acids, alkalines, or moisture generally.

**Wovens:** Wovens include lower or normal temperature fabrics such as various weights of cotton, nylon and polyester. Wovens tend to be less expensive than nonwovens and are used in relatively less stressful environments.

Select what has worked for you in the past and ask questions if you have them. We'll be happy to answer and advise.

### Finishes

The finish of the material bears on its filtration properties and durability. Common examples of finishes include:

**Heat Setting:** Heat setting makes a fabric stable (minimizes shrinking and stretching) up to a predetermined temperature.

**Singe:** A finish created when an open flame is used to melt the ends of any fibers protruding from a fabric. A pebbled, yet smooth, texture that facilitates dust cake formation to aid in filtration and dust release.

**Glaze:** A finish created by melting and pressing textile fibers to produce a smooth, glass-like surface. Glazing facilitates dust release.

**Coatings:** Acrylic and Teflon coatings protect against elements such as salts, acids and other moisture and can reduce air flow.

**Membranes:** Teflon (ptfe) and other membranes ensure filtration of fine particulates and can be engineered to allow for specific micron rated permeability.



R.D. Smith Co., Inc.  
Dairy and Food Equipment  
and Supplies  
PO Box 186  
Eau Claire, WI 54702-0186  
715-832-3479  
800-826-7336