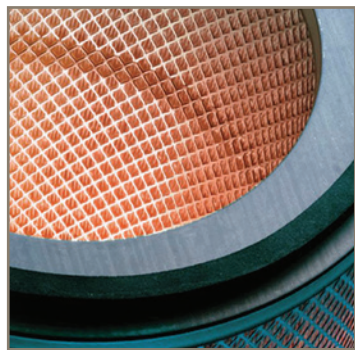




 **BHA**®

## **BHA® Cartridge Filters for Dust Collection**



 **Parker**

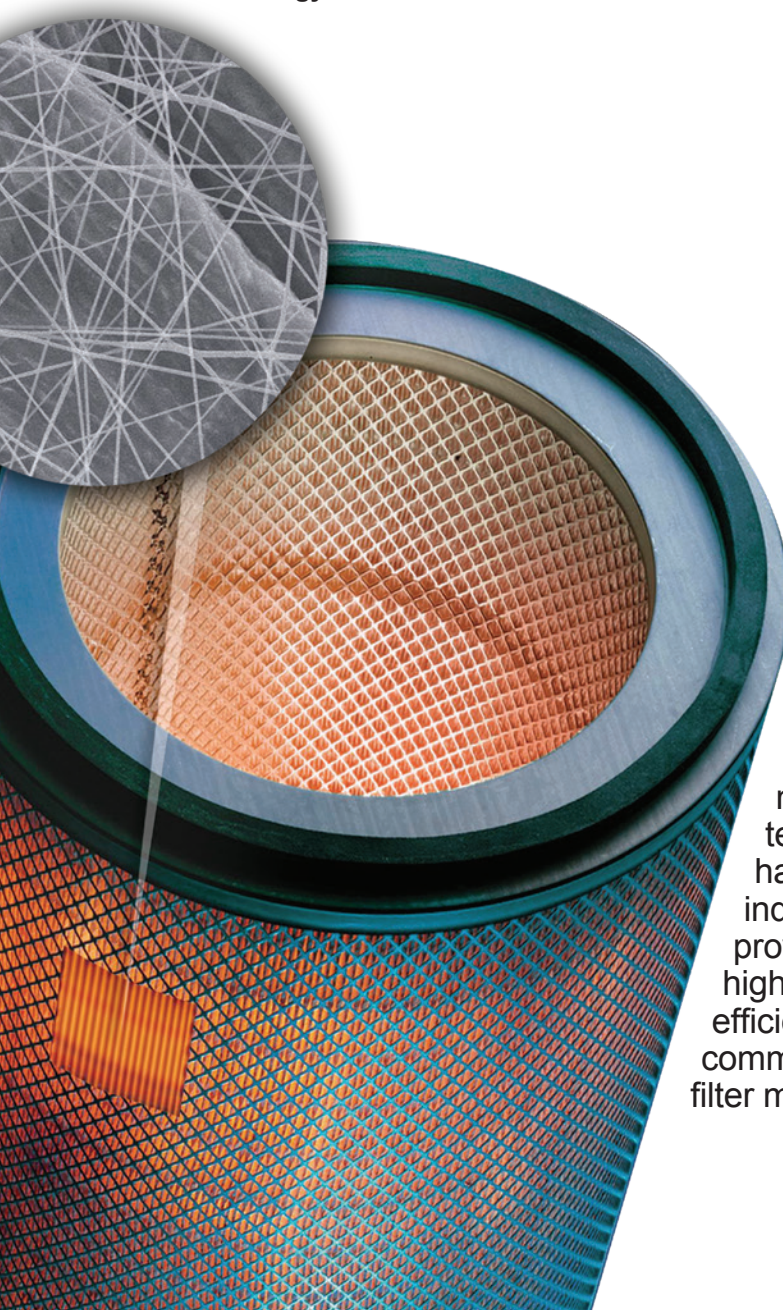
ENGINEERING YOUR SUCCESS.

# Discover the Difference in Performance and Value of our BHA Cartridge Filters

Always leading technology and innovation, Parker Hannifin engineers and manufactures the new standard in filtration technology — patented BHA ProTura<sup>®</sup> advanced nanofiber filtration technology.

BHA ProTura advanced nanofiber technology has been independently proven to achieve higher initial efficiency, cleaner air, lower pressure drop and greater energy savings than commodity filter media.

**Nanofiber filtration technology at 5000x**



## Surface Loading Is Key

BHA ProTura filters feature a special surface nanofiber layer made from synthetic polymers so extremely fine, they are measured in fractions of a micron (nanometers). This ultra-thin layer traps dust and fume particulate on the surface of the filter before it can embed deeper in the media—leading to better cleaning efficiency with fewer pulses and significantly less compressed air use.

As a result, customers benefit from several advantages, including:

- **MERV 15 filtration efficiency** ensures capture of submicron particles and reduction of dust collector emissions for cleaner and safer workplace air
- **Lower energy costs with reduction** in compressed air from fewer pulses and filter pressure drop
- **Nanofiber technology** means superior surface loading to enhance dust cake release and longer filter life

Our BHA ProTura filters (MERV 15) have an exceptionally high level of filtration efficiency in capturing sub-micron particles from a contaminated air stream. With nanofibers smaller than competitive fibers and an industry highest MERV 15 efficiency rating, and true surface filtration, you get 99%+ efficiency on 0.3-0.4 micron particulate.\*

Although MERV is important, it can also be misleading. A filter may achieve a high MERV rating but result in higher pressure drop. So be aware of filters that use restrictive surface layers to boost efficiency as they ultimately lead to an increase in pressure and frequent filter replacement.

BHA ProTura nanofiber cartridge filters not only offer a MERV 15 rating but also deliver the ultimate combination of high efficiency, low operating costs and longer filter life.

BHA ProTura nanofiber technology has been independently proven to achieve higher initial efficiency than commodity filter media.

**BHA ProTura nanofiber outperforms.**

\*In operation, at about 1" DP

# BHA Cartridge Filters Stocked with Performance and Value

Keep your dust collectors running efficiently and energy smart with high-quality BHA cartridge filters.

## Cylindrical Cartridges

Our round cylindrical cartridge filters rank among the highest in performance, efficiency and value. We stock a wide range of cylindrical replacement cartridge filters for use in nearly all major brands of dust collection systems and industry applications. They are available in an assortment of media, including our proprietary BHA ProTura nanofiber filters.

## Oval Cartridges

Our oval cartridge filters also provide superior filtration with our advanced proprietary BHA ProTura nanofiber filtration technology. This technology is scientifically proven to achieve higher efficiency, cleaner air, lower pressure drop, longer filter life and greater energy savings than any other media used in cartridge filters.

## Custom Cartridges

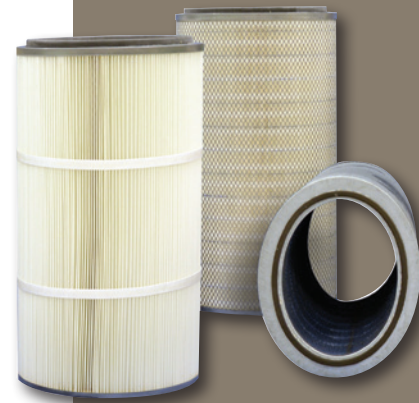
Should you require a custom filter to meet a special application need or as an aftermarket filter for another brand, we can design and manufacture the right filter to meet your specified requirements. Our specialists will help you select the best media and filter configuration to fit your unique application.

### OEM Dust Collector Cartridge Filters

We make cartridge filters for many of the OEM's: Donaldson AAF, Airflow Systems, Donaldson Torit, Camfil Farr APC, FlexKleen, ITW/Gema, Nordson, Micro Air, Pnuemafil, UniWash/Polaris, Robovent, Sly, Steelcraft, Wheelabrator and more.\*

Available in different medias such as spunbond polyester, aramid, BHA Preveil® ePTFE laminated, and other specialty medias.

\*Trademarks are the property of their respective owners.



# Applications

Here are a few of the many different applications where BHA PulsePleat filter elements have improved system performance. We custom manufacture elements to fit nearly any OEM style of pulse-jet baghouse. Parker Hannifin engineers can help you select the right media, size and construction to fit your collector without capital modifications.

Cement and Rock Dust  
Bentonite Crushing  
Clay Grinding  
Clinker Cooler  
Coal Mill  
Crushing/Grinder  
High-Efficiency Separator  
Kaolin Processing  
Material Handling/Transport  
Packing Machines  
Raw Mill/Finish Mill

Chemical  
Calcium Hypochlorite  
Catalyst Manufacturing  
Cellulose Fibers  
Coke-Briquetting Process  
Fertilizer Spray Dryers  
Packaging  
Plastic Fibers  
Polyethylene Resins  
Polystyrene Fluff  
PVC  
Tire/Specialty Rubbers

Combustion  
Boiler  
Coal Handling  
Fly Ash Handling  
  
Food/Pharmaceutical  
Animal Vitamins  
Cereal Drying  
Flour Milling  
Food Additive Processing  
Grain  
Mixing/Blending  
Pharmaceutical Pill Coating  
Spray Drying

Metals  
BOF Furnace  
Caster  
Desulphurization Furnace  
Electric Arc Furnace  
Induction Furnace  
Ladle Melt Furnace  
Mold Cooling Lines  
Sand Shakeout/Sand Reclaim  
Shot Blast/Grinding

Paint/Pigments  
Micronizers  
Packaging  
Paint Mixing  
Pigment Blending  
Pneumatic Conveying  
Spray Drying  
Toner Mixing/Blending  
  
Primary Aluminum  
Alumina Handling/Unloading  
Anode Crushing Ventilation  
Carbon Bake Dry Scrubbers  
Fluid Bed Dry Scrubbers  
Green Mill Carbon Handling  
Reacted/Unreacted Ore Silos  
Venturi Injection Dry Scrubbers

