



TANDEM™

FILTER MEDIA

ALBARRIE CARTRIDGE SHIELDS

WHAT ARE THEY

Albarrie Cartridge Shields are made from our **TANDEM™ Filter Media**. A multi-layered filtration fabric that is manufactured by combining a top layer of P84™ polyimide fibres with a conventional substrate such as polyester, aramid and basalt.

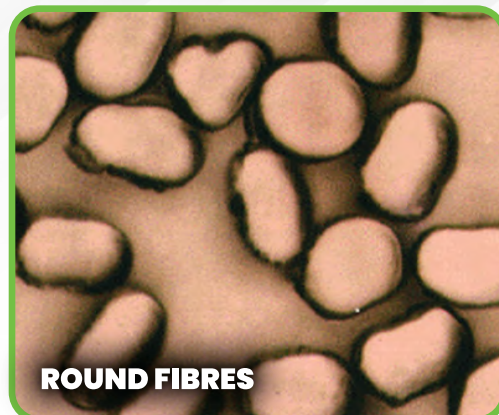


WHY THEY WORK

Capturing particulates from a gas stream depends on contact—specifically, the particulates in the gas stream coming into contact with the surface area of a filter's fibers. Polyimide fibers, with their unique tri-lobular shape, offer six to eight times more contact surface area compared to common round fibers. This increased surface area allows for highly efficient particulate capture, including submicron particulates, primarily on the fabric's surface. As a result, this filtration system can achieve an impressive efficiency of 99.99996%, with up to 90% of the captured particulates being submicron.

This level of performance is particularly effective in applications such as lead and electric arc fumes, catalyst dryer dust, medical incinerators, and various types of power, industrial, and co-gen boilers.

To achieve this exceptional filtration efficiency in a problematic system, combine our Albarrie Cartridge Shields with your existing cartridge filters.



Operation / Performance

A properly functioning fabric filter is essential to achieving optimal results. Filtration systems all operate on the same principle: a layer of dust cake builds on the surface of the filter fabric capturing particulates from the gas stream. Even with the Albarrie Cartridge Shield installed, achieving a 99.99996% efficiency in your filtration system requires ensuring that **your system meets these key specifications:**

- Maintain an adequate level of dust cake within a pressure differential range of four to six inches.
- Use on-demand cleaning rather than timed cleaning.
- Perform proper and regular maintenance.

In addition to improved filtration efficiency, Albarrie Cartridge Shields offer these added benefits:

- Increased cleaning and separation efficiency.
- A cost-effective alternative to purchasing new cartridges.
- Extended service life for your cartridges when applied to existing, cleaned cartridges.

If you're not using Albarrie's Cartridge Shields with your cartridge filters, you could be wasting power and money !

