ErtelAlsop

THE FIRST NAME IN LIQUID FILTRATION™

Micro Clear™
Activated Carbon Depth Filter Media

Activated carbon is highly porous over a broad range of pore sizes, from cracks and crevices to molecular dimensions. It is this porosity that provides activated carbon's unique adsorptive properties. Generally, activated carbon contains surface areas in the range of 500-2000 m^2/gm. "Activation" refers to the development of the adsorption properties of carbon. Adsorption occurs when the organic molecules bond to the internal pores of the activated carbon. This happens in pores slightly larger than the molecules being adsorbed, which makes it extremely important to match the molecule being adsorbed to the pore size of the activated carbon.

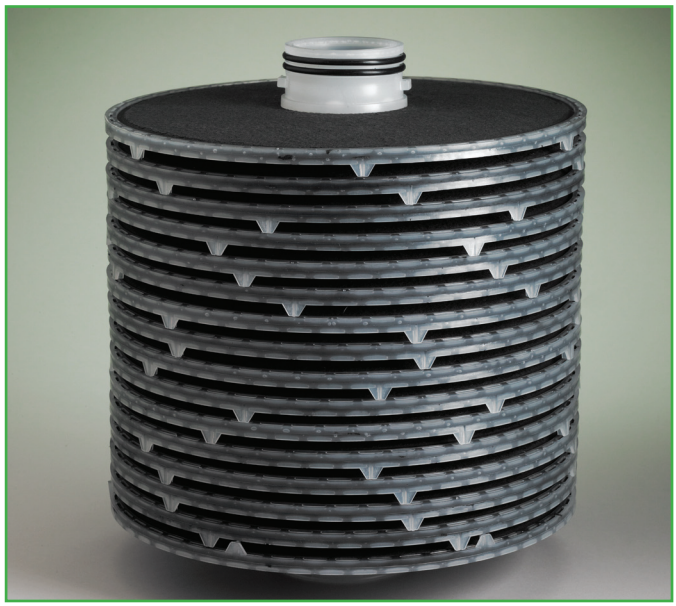
Careful blending of filter aids and cellulose fibers with activated carbon yields sub-micronic filtration and adsorptive treatments concurrently. ErtelAlsop manufactures carbon-impregnated media in a range of removal ratings and configurations to fit most filter presses and lenticular cartridge formats. This provides standardization of carbon treatment in addition to simplicity and ease of handling and operation.

Different grades of carbon, such as G60, CGP Super and S51 can be used in the manufacture of Micro-Clear™ media to provide specific adsorptive qualities. Specialty carbons are also able to be used in the Micro-Clear™ formulations. Contact ErtelAlsop or your local authorized representative to discuss your needs.

"Triple-Action"

ErtelAlsop Micro-Clear™ Media provides "triple-action":

- Controlled Filtration
- Decolorization
- Deodorization



Applications:

- Alcoholic Beverages
- API's
- Gelatin
- Fragrances & Oils
- Silicone
- Organic & Inorganic Acids
- Enzymes

Product Testing

Product testing is always available either at your facility, through our network of distributors, or at our in-house laboratory.

Pilot Testing - Rentals

For in-plant testing and scale-up procedures, ErtelAlsop offers a variety of lab filters for rent. A portion of rental fees can be applied to the purchase of your full production filter.

Micro-Clear™ Media

Grade	Retention
MC-30	5.0 µm
MC-35	5.0 µm
MC-35C	5.0 µm
MC-55	1.0 µm
MC-55C	1.0 µm
MC-55G	1.0 µm
MC-70	0.45 µm

The most accurate way to optimize your process is through laboratory scale testing. Samples of Micro-Media® and Micro-Clear™ Media are available at no charge. Authorized ErtelAlsop representatives are equipped to run trials on-site, or product samples may be sent directly to ErtelAlsop for testing with prior approval.

Table to the left is for reference only.

FILTER MEDIA

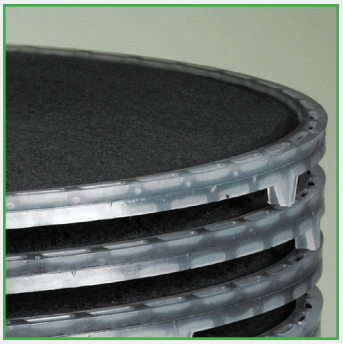
132 Flatbush Avenue • Kingston • NY • 12401 • ErtelAlsop.com • 845.331.4552 • Fax 845.853-1526

Filter Media

As with all ErtelAlsop plate and frame filter press models, media is available for any application and/or operating condition, and is chosen based on your specific operating conditions, the performance required by the filtering media, and criteria given to us by you and/or by sample processing we do in our lab.

ErtelAlsop offers the widest varieties of filter media including 100% cellulose pads, cellulose and diatomaceous earth pads, cellulose and Celpure® diatomaceous earth pads, cellulose and perlite pads, and cellulose and activated carbon pads.

All filter pads are manufactured to very high standards for a wide range of applications in the pharmaceutical, chemical, cosmetic, electric utility and food and beverage markets. ErtelAlsop also offers a Validation Guide to assist in the validation of its filter pads in your process. The Validation Guide contains information regarding raw materials, extractables, and general information about the product. The combination of ErtelAlsop “P” grade filter pads and ErtelAlsop’s BioClean™ plate and frame filter press design, can help to simplify your depth filtration validation now more than ever.



For additional product information visit **ErtelAlsop.com**

Technical Bulletin MC-13

ErtelAlsop

Keep in touch.
Join our Newsletter to learn about the latest filter best practices and more!

Visit us at ErtelAlsop.com

Authorized Distributor

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