



ERTELALSOP

THE FIRST NAME IN LIQUID FILTRATION

EFFECTIVE UTILITY FILTRATION

DIELECTRIC OIL FILTRATION

Filtration of insulating and lubricating oils, such as circuit breaker, transformer and turbine lube, used by utility companies and industrial power generation facilities is critical for keeping equipment fault-free and running smoothly.

The common contaminants found in these oils are carbon, water, acid and particles caused by breakdown reactions, wear and other external sources. To maintain or restore the functionality of these fluids while preventing costly downtime requires highly efficient yet cost effective filtration.

Historically, these contaminants were removed by the use of plate and frame filtration. This type of equipment however is bulky, difficult to service, exposed to atmospheric conditions and comparatively expensive to operate. ErtelAlsop offers a reliable, efficient alternative. Our Disc-Pak® Filter Housings are smaller, lighter and portable yet still provide the same filtration capacity of plate and frame units. Additionally, Pak® housings are self-contained, enclosed and not subject to atmospheric conditions.

The depth-type construction of our Disc-Pak® filter cartridge is very effective in drying oils due to its ability to preferentially absorb moisture even while thoroughly saturated with oil. Our AquaKv-Pak® filter cartridge provides optimum water retention along with the ability to prevent water from being reintroduced downstream by mechanically shutting down the system upon maximum water absorption.

Filtration systems are available tailored to your specific requirements, including Portable Utility Carts, Handtruck Units, and Over-the-Road Trailers.



To find out more about the choice of models we offer, please contact our sales department by phone at 800-553-7835, by fax at 845-339-1063 or visit our website, www.ErtelAlsop.com for further information.

OIL FILTRATION USING THE DISC-PAK® OR AQUAKV-PAK®

The Disc-Pak® cartridge is available for the filtration of particulate from circuit breaker, voltage regulator, and tap changer oils. The Disc-Pak® may be used where water is not a significant problem and particulate retention is the purpose of filtration. Disc-Pak® cartridges are available in several grades to allow retention down to 0.5 microns.

The AquaKv-Pak® was specifically designed and developed for the retention of water contamination in transformer and turbine lube oils along with the retention of particulate down to the sub-micronic level. This Pak® concept was created to incorporate the particulate retention of the Disc-Pak® along with the enhanced capacity for the retention of free and dissolved water.

The AquaKv-Pak® & ZetaDri Pak® demonstrate mechanical shutoff when fully saturated with water. Particle retention does not effect water-holding capacity, which has been documented up to 128 ounces per full 9-cell Pak®. The AquaKv-Pak® and an ErtelAlsop enclosed Pak® system can recondition dielectric fluids to meet or exceed ASTM and manufacturers standards.

UTILITY PAK®



For additional
product information visit
ErtelAlsop.com

**Technical Bulletin
Dielectric-11**

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