



ERTELALSOP

THE FIRST NAME IN LIQUID FILTRATION

HORIZONTAL DOUBLE O-RING LENTICULAR FILTERS

The ErtelAlsop Horizontal Double O-Ring Pak® System provides all the benefits of traditional vertical Pak® Filters with several added bonuses. Horizontal orientation allows for single person operation and eliminates the need for overhead hoists. Double open ends provide access to every surface, making cleanup fast and simple. The unique ErtelAlsop "Lock and Load" System allows easy loading and unloading of Pak® cartridges with the assistance of Teflon guides. The housing can be provided as a single unit or as a dual, tri or quad system, on a baseplate, complete with common piping.

The enclosed design and horizontal orientation make this unit cost effective for most applications. It provides minimal product loss along with reduced labor requirements. ErtelAlsop's Horizontal Pak® Filter is the perfect technology to replace old leaky plate and frame filters in liquid processes. All ErtelAlsop lenticular Pak® cartridges are suitable for use in the horizontal housing.

STANDARD FEATURES

- 316L Stainless Steel
- 316L Stainless Steel "Lock and Load" Design Pak® Tray
- Front and Rear Flanged Hinged Head
- Swing Bolts
- 1.5 inch Tri-Clamp Inlet/Outlet Fittings
- 0.5 Inch Tri-Clamp Vent and Drain Fittings
- Silicone O-Ring Gaskets
- Saddle Plate Mounting

OPTIONAL FEATURES

- 12 or 16-inch
- Hastelloy C
- ASME Code
- May be mounted in series or parallel on single framework
- Pump and Motor
- Portable/Casters



APPLICATIONS

- High Fructose Corn Syrup
- Intermediate Chemical Applications
- Resins
- Coatings

ADVANTAGES

- No leakage
- Minimal Product Loss
- Vapor-tight
- Single Person Operation
- Easy to Change Out

PRODUCT TESTING

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

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.

LENTICULAR PAK® FILTERS

SPECIFICATIONS	12PY1		12PY2		12PY3		12PY4	
Standard Height	38.6 in	(981 mm)	49.5 in	(1257 mm)	60.7 in	(1542 mm)	71.6 in	(1819 mm)
Standard Width - Base	19.1 in	(485 mm)	19.1 in	(485 mm)	19.1 in	(485 mm)	19.1 in	(485 mm)
Standard Width - Dome	12.75 in	(324 mm)	12.75 in	(324 mm)	12.75 in	(324 mm)	12.75 in	(324 mm)
Volume - Empty	1809 in ³	(29.7 l)	3185 in ³	(29.7 l)	4569 in ³	(74.9 l)	5946 in ³	(97.5 l)
Volume w/Pak Cartridge	1222 in ³	(20 l)	2025 in ³	(33.2 l)	2837 in ³	(46.5 l)	3641 in ³	(59.7 l)
Weight - Empty	75 lbs	(34.1 kg)	93 lbs	(42.0 kg)	114 lbs	(51.8 kg)	132 lbs	(59.7 kg)
Media Diameter	12 inch	(305 mm)	12 inch	(305 mm)	12 inch	(305 mm)	12 inch	(305 mm)
Number of Cells per Pak	16		16		16		16	
Filter Area	18.5 ft ²	(1.72 m ²)	37 ft ²	(3.44 m ²)	55.5 ft ²	(5.16 m ²)	64 ft ²	(5.95 m ²)
Average Flow Rate	1 gpm/ft ²	(3.79 l/ m ²)	1 gpm/ft ²	(3.79 l/ m ²)	1 gpm/ft ²	(3.79 l/ m ²)	1 gpm/ft ²	(3.79 l/ m ²)

SPECIFICATIONS	16PY1		16PY2		16PY3		16PY4	
Standard Height	38.6 in	(981 mm)	49.5 in	(1257 mm)	60.7 in	(1542 mm)	71.6 in	(1819 mm)
Standard Width - Base	23.1 in	(587 mm)	23.1 in	(587 mm)	23.1 in	(587 mm)	23.1 in	(587 mm)
Standard Width - Dome	16.75 in	(425 mm)	16.75 in	(425 mm)	16.75 in	(425 mm)	16.75 in	(425 mm)
Volume - Empty	3166 in ³	(51.9 l)	5566 in ³	(91.3 l)	7977 in ³	(130.8 l)	10,377 in ³	(170.2 l)
Volume w/Pak Cartridge	2032 in ³	(33.3 l)	3312 in ³	(54.3 l)	4603 in ³	(75.5 l)	5883 in ³	(96.5 l)
Weight - Empty	122 lbs	(55.3 kg)	145 lbs	(65.7 kg)	174 lbs	(78.8 kg)	197 lbs	(89.2 kg)
Media Diameter	16 inch	(406 mm)	16 inch	(406 mm)	16 inch	(406 mm)	16 inch	(406 mm)
Number of Cells per Pak	16		16		16		16	
Filter Area	39.5 ft ²	(1.72 m ²)	79 ft ²	(3.44 m ²)	118.5 ft ²	(5.16 m ²)	158 ft ²	(5.95 m ²)
Average Flow Rate	1 gpm/ft ²	(3.79 l/ m ²)	1 gpm/ft ²	(3.79 l/ m ²)	1 gpm/ft ²	(3.79 l/ m ²)	1 gpm/ft ²	(3.79 l/ m ²)

* Based on 16 cell Pak Cartridges. Cartridges can be constructed with 5-16 cells per Pak Cartridge depending on filtration area needed.



For additional
product information visit
ErtelAlsop.com

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