



# ERTELALSOP

THE FIRST NAME IN LIQUID FILTRATION

## E-1 LAB FILTER

The E1 Cylinder filter is perfect for small batch filtration, and for use in the laboratory to simulate the results of full-scale filter equipment.

The E-1 filter is a single disc, plate lab filter capable for test filtrations and small batch filtrations up to 40 liters. The E-1 filter unit is internally ported and capable of accepting standard depth media, cloth or paper media.

No external elastomeric gaskets prevent cross contamination between products and batches and insure quick and sanitary clean up.

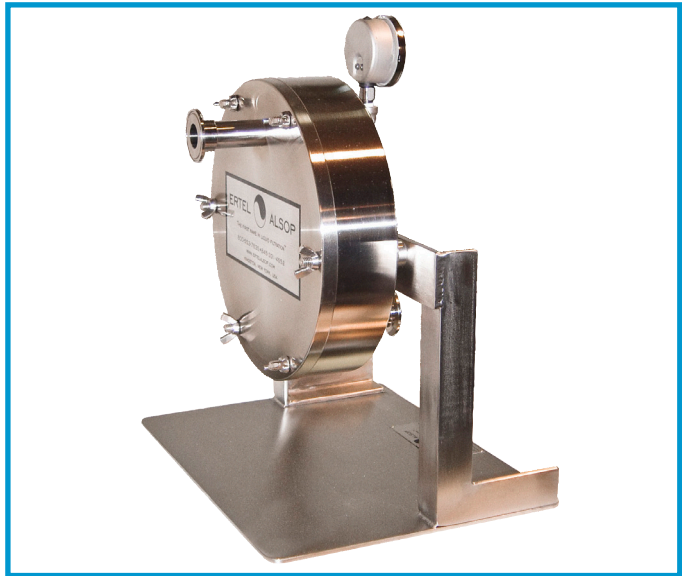
The E-1 is recommended for batch sizes up to 5 gallons. Optional pumps and motors are available. As with other ErtelAlsop plate and frame filter presses, the E-1 can be fitted with an inlet head to permit retention of filter cake.

### STANDARD FEATURES

- 316L SS
- Pressure Gauge
- Set Up for Polish Filtration
- Slip-On Hose Nipple Inlet/Outlet

### OPTIONAL FEATURES

- Cake Retaining Head
- Dividing Flanges
- 1 GPM Pump and Motor
- Motor Starting Switch
- Sanitary Clamp Style Connections
- Diaphragm Pressure Gauges
- Portable Stainless Steel Cart



### APPLICATIONS

- Research & Development
- Quality Assurance

### 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.

ErtelAlsop offers a full line of Cylinder Type Laboratory Filters with capacities up to 8000 ml.

## 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.

## E1 SPECIFICATIONS

Material	316 SS	
Gasket Material	N/A	
Pressure Limit	N/A	
Jacket Pressure	N/A	
Media Type	Any Flat	
Media Diameter	10.12 in	(257 mm)
Filter Area	65 in <sup>2</sup>	(419 cm <sup>2</sup> )
Volume	47 in <sup>3</sup>	(770 ml)
Gauge	0 - 2.5 Bar	



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

[Technical Bulletin E1-LF-11](#)

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