



# ERTELALSOP

THE FIRST NAME IN LIQUID FILTRATION

## EFS SERIES

The EFS Series is the most Economical 12-inch square plate and frame filter model ErtelAlsop manufactures. Cart mounted and able to accept up to fifty (50) filter pads, they are designed to work in a wide range of high efficiency, ultra-fine filtration applications.

As with all ErtelAlsop plate and frame filter presses, the Model EFS has the same component flexibility as other models and is internally ported eliminating the need for gaskets as well as concerns about compatibility and cross-contamination.

### STANDARD FEATURES

- 316L SS
- BioClean™ Outlet Plates
- Internal Ports
- 1 inch Tri-Clamp Fittings
- Handwheel Closure with Ratchet Wrench Assistance
- Cart-Mounted

### OPTIONAL FEATURES

- Up To Fifty (50) pad capacity expansion
- Variable Frame Thickness for Cake Retention
- Dividing Heads
- Blanking Head
- Weld-Free Plate Design
- Thorough Wash Capability
- Diamond Configuration™
- Hydraulic Closure
- Cake Recovery Carts
- Pressure Gauge
- Tubing
- Pump
- Motor



### APPLICATIONS:

- Distilled Beverages
- Beer, Wine, Soft Drinks
- Small Batch Cosmetics
- Cough Syrups
- Flavors
- Fragrances
- Small Volume Parenterals

### 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.

## 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.

EFS SPECIFICATIONS		
Standard Height	39.39 in	(1 m)
Standard Width	17.72 in	(0.45 m)
Range of Length	29.5 - 78.7 in	(0.75 - 2.0 m)
Plate Dimension	12 in square	(305 mm)
Ports	4 internal	
Area/Filter Sheet	0.82 ft <sup>2</sup>	(0.076 m <sup>2</sup> )
Cake Vol. - 12.5 mm inlet	0.20 gal	(0.74 l)
Cake Vol. - 25 mm inlet	0.38 gal	(1.45 l)
Cake Vol. - 37.5 mm inlet	0.57 gal	(2.17 l)
Cake Vol. - 50 mm inlet	0.76 gal	(2.89 l)
Batch Size	Up to 6,604 gal	(25,000 l)
Flow Rate	Up to 50 gpm	(190 lpm)



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

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**ErtelAlsop**  
 PO Box 3358  
 Kingston, NY 12402 US

ErtelAlsop.com  
 800.553.7835 Telephone  
 845.339.1063 Fax

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Your Local Distributor

