

# ERTELALSOP

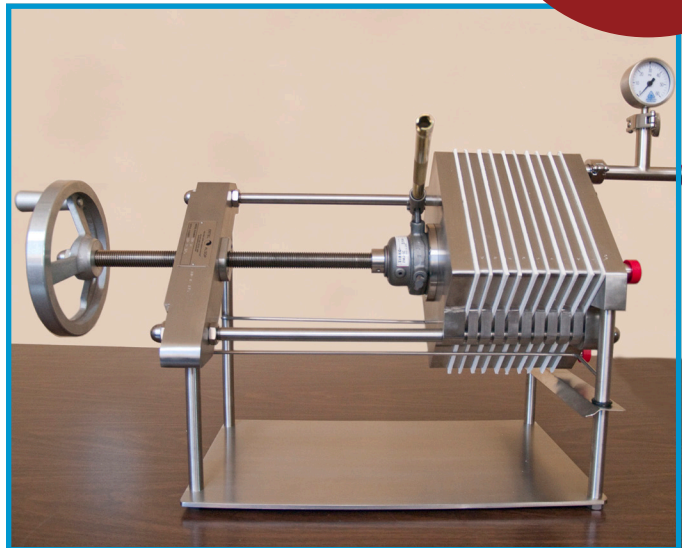
THE FIRST NAME IN LIQUID FILTRATION

WINNER OF  
PROCESSING  
MAGAZINE'S  
BREAKTHROUGH  
PRODUCTS  
AWARD!!

## MODEL 8D

The Diamond Series Model 8D filter press combines the latest weld-free construction technology with the most revolutionary plate and frame design concept in recent history. The Diamond Series provides complete drainage and venting while maintaining a superior internally ported design.

These 8-inch square plate and frame filters are one of the most economical models ErtelAlsop manufactures. Sized for bench stand use and able to accept up to twenty (20) 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 8D has the same component flexibility as other models, accepts various thickness filter media, 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
- 3/4 inch Tri-Clamp Fittings
- Hand Hydraulic Closure
- Bench Top Mounted

### OPTIONAL FEATURES

- Twenty (20) pad capacity expansion
- Variable Inlet Frame Thickness
- Polypropylene Plates and Frames
- Dividing Heads
- Weld-Free Plate Design
- Thorough Wash Capability
- Cart-Mounted
- Pressure Gauge
- Tubing
- Pump
- Motor

### APPLICATIONS:

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

### THE DIAMOND SERIES LINE

is designed for use in critical applications where hold-up volumes can be costly. Historically, plate and frame technology has required that upon completion of the production cycle, up to 90% of the liquid remaining in the filter needs to be reprocessed or discarded. The Diamond Series eliminates this obstacle entirely. Maximum yield of viable liquid is now possible.

## 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.

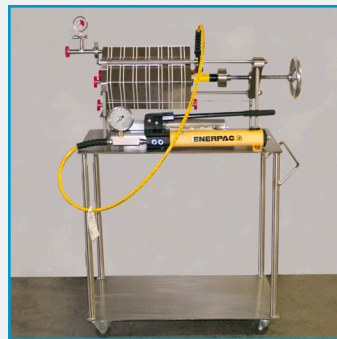
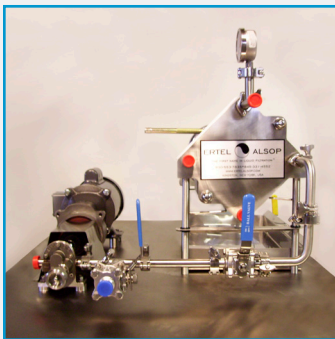
ErtelAlsop offers the widest varieties of filter media including 100% cellulose pads, cellulose and diatomaceous earth pads, cellulose and Celpure® diatomaceous earth pads, cellulose and perlite pads, and cellulose and activated carbon pads.

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.

PLATE AND FRAME

## 8D SPECIFICATIONS

Standard Height	13.8 in	(0.35 m)
Standard Width	11.75 in	(0.3 m)
Range of Length	15.8 - 49.2 in	(0.4 - 1.25 m)
Plate Dimension	8 in square	(203 mm)
Ports	4 internal	
Area/Filter Sheet	0.31 ft <sup>2</sup>	(0.029 m <sup>2</sup> )
Cake Vol. - 12.5 mm inlet	0.07 gal	(0.25 l)
Cake Vol. - 25 mm inlet	0.18 gal	(0.68 l)
Cake Vol. - 37.5 mm inlet	0.27 gal	(1.02 l)
Cake Vol. - 50 mm inlet	0.36 gal	(1.36 l)
Batch Size	Up to 26.4 gal	(100 l)
Flow Rate	Up to 20 gpm	(74 lpm)



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

[Technical Bulletin 8D-PF-11](#)

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