ErtelAlsop

THE FIRST NAME IN LIQUID FILTRATION

21T Series Lab Filter

The 21T Series lab filter is for use in laboratories to perform filtration trials and scalability studies. These units are constructed of 316 stainless steel with stainless steel cylinders for pressures up to 50 PSIG, or a protected Pyrex® glass cylinder for filtration up to 30 PSIG. Stainless steel cylinders can be furnished with an optional heating or cooling jacket.

When running trials, which require more than one filtration stage, ErtelAlsop offers an optional dividing flange. This option can be supplied with the filter or at a later date without any modifications to the original system. This design allows for an infinite number of filtration stages.

Small constant flow pumps, compressed air or inert gas can be used to flow liquid through the filter media. The O-Ring seal provides the versatility to use a variety of filter media of different composition and thickness.

Standard Features

- Stainless Steel Cylinder (model 21T)
- Pressure Gauge
- EPDM Elastomers
- Stainless Steel Mounting Stand

Optional Features

- Pyrex® Glass Cylinder (model 21TP)
- Heating or Cooling Jacket (model 21TJ)
- Single Sheet / No Reservoir (model 21TS)
- Sanitary Connections
- Dividing Flanges
- Tubing and Pumps
- Elastomer Material - Teflon, Neoprene, Viton, Buna, Silicone

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

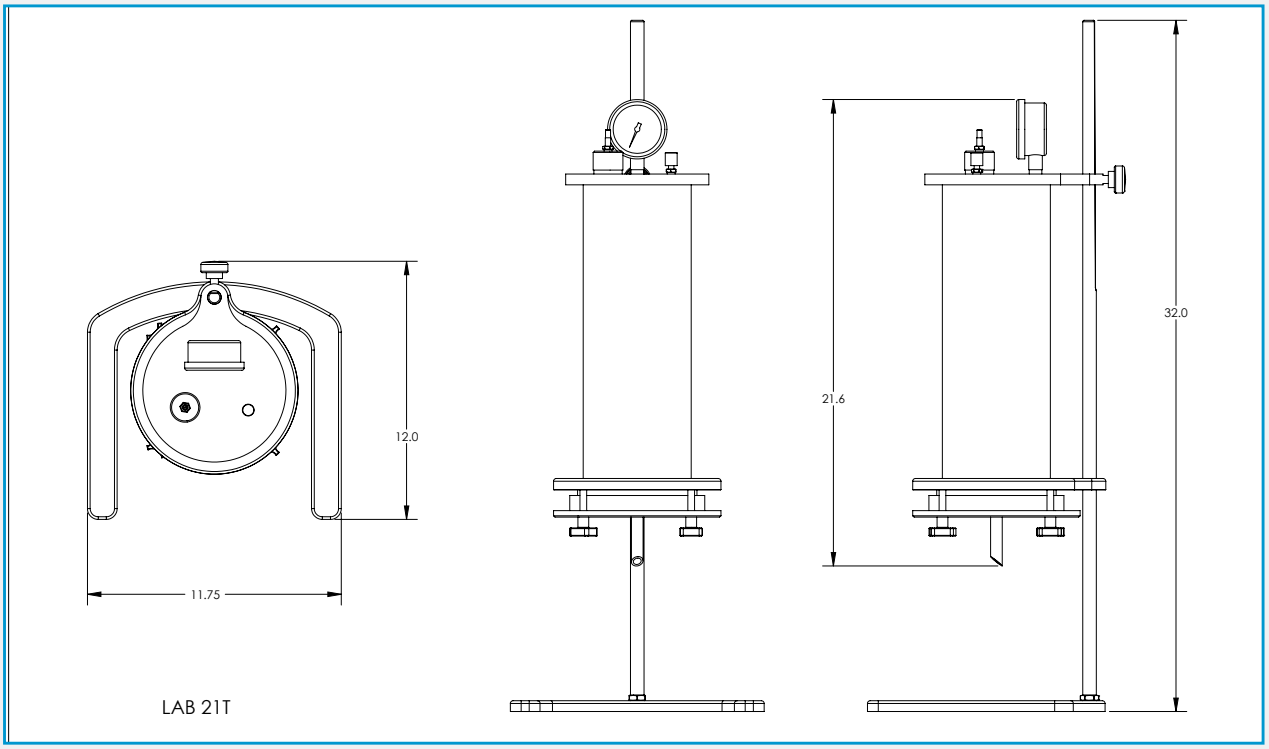
As with all ErtelAlsop plate and frame filter press models, media is available for any application and/or operating condition, and is chosen based on your specific operating conditions, the performance required by the filtering media, and criteria given to us by you and/or by sample processing we do 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.

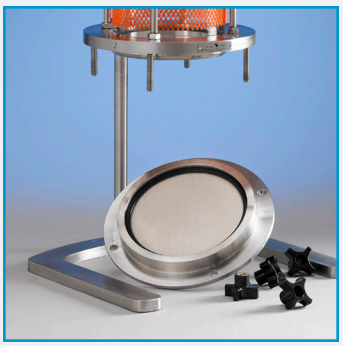
All filter pads are manufactured to very high standards for a wide range of applications in the pharmaceutical, chemical, cosmetic, electric utility and food and beverage markets. ErtelAlsop also offers a Validation Guide to assist in the validation of its filter pads in your process. The Validation 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.

LABORATORY FILTERS

Specs.	21TS	21TP	21T	21TJ
Material	316L	316L/Pyrex	316L	316L
Gasket Material	EPDM	EPDM	EPDM	EPDM
Pressure Limit	50 PSI	30 PSI	50 PSI	50 PSI
Jacket Pressure	N/A	N/A	N/A	30 PSI
Media Type	Any Flat	Any Flat	Any Flat	Any Flat
Media Diameter	5.51 in (140 mm)	5.51 in (140 mm)	5.51 in (140 mm)	5.51 in (140 mm)
Filter Area	21 in^2 (135.5 cm^2)	21 in^2 (135.5 cm^2)	21 in^2 (135.5 cm^2)	21 in^2 (135.5 cm^2)
Volume	12.20 in^3 (200 ml)	228.84 in^3 (3750 ml)	228.84 in^3 (3750 ml)	228.84 in^3 (3750 ml)
Gauge	None	0 - 2.5 Bar	0 - 2.5 Bar	0 - 2.5 Bar



LAB 21T



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

Technical Bulletin 21T-LF-11

ErtelAlsop
PO Box 3358
Kingston, NY 12402 US

ErtelAlsop.com
800.553.7835 Telephone
845.339.1063 Fax

Keep in touch.
Join our Newsletter to learn about the latest filter best practices and more!

Visit us at ErtelAlsop.com

Your Local Distributor

CLEAR SOLUTIONS, INC.
Process Filtration and Fluid Handling Products
970 Calle Negocio
San Clemente, CA 92673
info@clearsolutionscorp.com
(949) 429-8922 ph
www.clearsolutionscorp.com