



# ERTELALSOP

THE FIRST NAME IN LIQUID FILTRATION™

## DOUBLE O-RING PAK® STACKED DISC FILTER

The ErtelAlsop Double O-Ring Pak® System consists of our highly polished stainless steel double o-ring housing used in conjunction with our Zeta-Pak® double o-ring lenticular cartridge.

Our simple quarter-turn lock, and static core structure of the ErtelAlsop double o-ring filter element eliminates the concerns of misalignment or sealing between flat gasket cartridge systems.

Our sanitary housing helps ensure the integrity of your application by providing a highly polished filter housing with sanitary fittings, vent connection and no internal threads.

The typical housing can hold up to four 12-inch or 16-inch diameter Pak® cartridges in a vertical configuration.

### STANDARD FEATURES

- T-316L stainless steel with 180 grit finish
- Sanitary tri-clamp Inlet & Outlet with 90 deg elbows
- Vent
- 0-60 psi stainless steel non-sanitary gauge
- V-Band Clamp Closure
- 60 PSIG
- EPDM Elastomers/Gaskets
- Non-Adjustable Legs with foot pads

### OPTIONAL FEATURES

- Material of Construction
- ASME Code
- Flange Fittings
- Gasket Material - Buna-N, Neoprene, Viton, Silicon, Teflon Encapsulated
- Sanitary Diaphragm pressure gauge with certs
- Electropolish or <30 Ra polish for liquid contact parts
- Pumps, Tubing and Carts

### 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.



### APPLICATIONS

- Research & Development
- Quality Assurance
- Production Level Processing

### ADVANTAGES

- Positive sealing between cartridges and housing
- Rigid structure eliminates possibility of by-pass
- No Center Post
- Less Labor
- Fewer material components reduce compatibility issues
- Static structure eliminates moving seal required by flat gasket cartridges

### PRODUCT TESTING

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

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 <sup>3</sup>	(29.7 l)	3185 in <sup>3</sup>	(29.7 l)	4569 in <sup>3</sup>	(74.9 l)	5946 in <sup>3</sup>	(97.5 l)
Volume w/Pak Cartridge	1222 in <sup>3</sup>	(20 l)	2025 in <sup>3</sup>	(33.2 l)	2837 in <sup>3</sup>	(46.5 l)	3641 in <sup>3</sup>	(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 <sup>2</sup>	(1.72 m <sup>2</sup> )	37 ft <sup>2</sup>	(3.44 m <sup>2</sup> )	55.5 ft <sup>2</sup>	(5.16 m <sup>2</sup> )	64 ft <sup>2</sup>	(5.95 m <sup>2</sup> )
Average Flow Rate	1 gpm/ft <sup>2</sup>	(3.79 l/ m <sup>2</sup> )	1 gpm/ft <sup>2</sup>	(3.79 l/ m <sup>2</sup> )	1 gpm/ft <sup>2</sup>	(3.79 l/ m <sup>2</sup> )	1 gpm/ft <sup>2</sup>	(3.79 l/ m <sup>2</sup> )

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 <sup>3</sup>	(51.9 l)	5566 in <sup>3</sup>	(91.3 l)	7977 in <sup>3</sup>	(130.8 l)	10,377 in <sup>3</sup>	(170.2 l)
Volume w/Pak Cartridge	2032 in <sup>3</sup>	(33.3 l)	3312 in <sup>3</sup>	(54.3 l)	4603 in <sup>3</sup>	(75.5 l)	5883 in <sup>3</sup>	(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 <sup>2</sup>	(1.72 m <sup>2</sup> )	79 ft <sup>2</sup>	(3.44 m <sup>2</sup> )	118.5 ft <sup>2</sup>	(5.16 m <sup>2</sup> )	158 ft <sup>2</sup>	(5.95 m <sup>2</sup> )
Average Flow Rate	1 gpm/ft <sup>2</sup>	(3.79 l/ m <sup>2</sup> )	1 gpm/ft <sup>2</sup>	(3.79 l/ m <sup>2</sup> )	1 gpm/ft <sup>2</sup>	(3.79 l/ m <sup>2</sup> )	1 gpm/ft <sup>2</sup>	(3.79 l/ m <sup>2</sup> )

\* 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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