



ERTELALSOP

THE FIRST NAME IN LIQUID FILTRATION

12PYDO DOUBLE O-RING SANITARY LENTICULAR CARTRIDGE HOUSING

Model 12PYDO, or Pharma-Pak® Sanitary Housing, helps ensure the integrity of your pharmaceutical or biotech application by providing a highly polished housing with sanitary fittings, vent connection, and no internal threads. The model is provided in 316L SS as standard and allows for easy cleaning after complete disassembly.

The typical housing can hold up to four 12-inch diameter double O-ring cartridges in a vertical configuration.

Additional integrity assurance is provided through the use of ErtelAlsop Bio-Pak® double O-ring cartridges.

STANDARD FEATURES

- 316L Stainless Steel
- Tri-Clamp Fittings
- Mirror Finish
- Pressure Gauge
- Vent
- Drain
- Silicone Gasket

OPTIONAL FEATURES

- Material of Construction
- ASME Code
- Flange Fittings
- Gasket Material - Buna-N, Neoprene, Viton, Silicon, Teflon Encapsulated
- Tubing
- Carts
- Pumps

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	12 INCH - PY1	12 INCH - PY2	12 INCH - PY3	12 INCH - PY4
Material of Construction	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Gasket Material	Silicone	Silicone	Silicone	Silicone
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)
Weight - Empty	84 lbs (38.10 kg)	96 lbs (43.54 kg)	119 lbs (53.98 kg)	135 lbs (61.23 kg)
Volume - Empty	1693 in ³ (27.74 l)	3043 in ³ (49.87 l)	4393 in ³ (71.99 l)	5743 in ³ (94.11 l)
Volume w/Pak Cartridge	494 in ³ (8.10 l)	645 in ³ (10.57 l)	796 in ³ (13.04 l)	947 in ³ (15.52 l)
Media Diameter	12 inch (305 mm)	12 inch (305 mm)	12 inch (305 mm)	12 inch (305 mm)
Number of Pak Cartridges	1	2	3	4
Number of Cells per Pak	16	16	16	16
Filter Area	18.5 ft ² (1.72 m ²)	37 ft ² (3.44 m ²)	55.5 ft ² (5.16 m ²)	64 ft ² (5.95 m ²)
Average Flow Rate	1 gpm/ft ² (3.79 l/ m ²)	1 gpm/ft ² (3.79 l/ m ²)	1 gpm/ft ² (3.79 l/ m ²)	1 gpm/ft ² (3.79 l/ m ²)

* Based on 16 cell Pak Cartridges. Cartridges can be constructed with 8-16 cells per Pak Cartridge depending on filtration area needed.



For additional
product information visit
ErtelAlsop.com

Technical Bulletin
12PYDO-PAK-11

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practices and more!

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Your Local Distributor

