



ERTELALSOP

THE FIRST NAME IN LIQUID FILTRATION

12 INCH INDUSTRIAL FLAT GASKET LENTICULAR CARTRIDGE HOUSING

Model 12AY housings help ensure the integrity of your application by providing a polished housing with NPT fittings, and vent connection. The model is provided in 316 SS as standard and allows for easy cleaning after complete disassembly.

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



STANDARD FEATURES

- T-316 stainless steel with a brushed finish
- 1.5" NPT Inlet & Outlet
- 0-60 psi stainless steel non-sanitary gauge
- External tightening nut closure
- 60 PSIG
- EPDM Elastomers/Gaskets
- Non-Adjustable Legs
- Top Vent

OPTIONAL FEATURES

- Material of Construction - Carbon Steel, 316L
- ASME Code
- Flange Fittings
- Gasket Material - Buna-N, Neoprene, Viton, Silicon, Teflon Encapsulated
- Electropolish or 180 grit finish for liquid contact parts
- Bottom Drains
- Pumps, Tubing and Portable Carts

APPLICATIONS

- Specialty Chemical
- Flavors and Fragrances
- Research & Development
- Production Level Processing

ADVANTAGES

- Positive sealing between cartridges and housing
- Rigid structure eliminates possibility of by-pass
- Less Labor
- Fewer material components reduce compatibility issues

PRODUCT TESTING

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

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.

LENTICULAR PAK® FILTERS

SPECIFICATIONS	12AY1	12AY2	12AY3	12AY4
Material of Construction	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Gasket Material	EPDM	EPDM	EPDM	EPDM
Standard Height	24.1 in (612.14 mm)	34.8 in (884 mm)	45.5 in (1156 mm)	56.2 in (1428 mm)
Standard Width - Base	15.1 in (384 mm)	15.1 in (384 mm)	15.1 in (384 mm)	15.1 in (384 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	85.6 lbs (39 kg)	97 lbs (44 kg)	108.5 lbs (49 kg)	132 lbs (60 kg)
Volume - Empty	1270 in ³ (20.8 l)	2444 in ³ (40.1 l)	3618 in ³ (59.3 l)	4793 in ³ (78.5 l)
Volume w/Pak Cartridge	750 in ³ (12.3 l)	1402 in ³ (23 l)	2053 in ³ (33.6 l)	2704 in ³ (44.3 l)
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 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 5-16 cells per Pak Cartridge depending on filtration area needed.



For additional
product information visit
ErtelAlsop.com

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