



DELTA ENVIRONMENTAL[®]
ECOFILTER PUMP VAULT
EFFLUENT PUMPING SYSTEMS



DELTA ENVIRONMENTAL[®]

Effluent Pumping Systems



Introducing ECO FILTER

Delta Environmental developed the ECO FILTER in answer to environmental concerns and the growing number of S.T.E.P. Collection wastewater systems. S.T.E.P. Collection systems transport effluent from individual septic tanks through a piping system to either a dispersal or wastewater treatment system. Delta Environmental has years of wastewater treatment experience and extensive use of subsurface drip disposal technology.

Easy Access and Maintainance

The ECO FILTER by Delta Environmental has been designed to allow easy access through a 24" opening for service and maintenance. This design gives the service provider the ability to pull and clean the filters without the time-consuming removal of the pump. In addition to saving time and money, the unit has an innovative float system that is easy to remove with a positive locking mechanism. All this makes ECO FILTER the ideal solution for effluent pumping applications.

Materials and Construction

The Delta Environmental ECO FILTER is constructed of polyethylene and polypropylene, which are superior materials for wastewater applications. Our design and construction techniques, coupled with these materials, provide long service life for your system.

The System

Delta Environmental offers a complete pump system. Our engineered system includes the pump filter vault, the high-head turbine submersible pump, and float controls. We will design a system to fit your needs and the special requirements of your project.

Filtering

The Delta Environmental ECO FILTER draws effluent from the middle layer of your septic tank. This area is considered the "clear zone" of a septic tank. In a properly functioning septic tank, gross solids will settle to the bottom of the tank and grease and scum will rise to the top of the tank's water level, creating this "clear zone". Septic effluent from this zone enters the ECO FILTER, where the remaining unwanted solids are filtered from the pump system. The unit is designed to maximize the surface area of the filter to prolong the filter's life, providing you the ideal solution for your wastewater needs.

For Use With:

- Drainfields
- Textile Filters
- Sand Filters
- Peat Filters Mounds
- Trickling Filters
- Aerobic Units
- Wetlands
- Lagoons
- Effluent Irrigation



Features and Benefits

- Installs quickly in new or existing concrete or fiberglass tanks
- Easy access design allows filter cartridge removal without pulling the pump or vault; simplifies filter inspection and maintenance
- Removes a significant amount of suspended solids
- Accommodates simplex or duplex configuration
- Float stem bracket allows easy removal and adjustment of float assembly
- Sturdy, molded polyethylene and corrosion-proof construction ensure long life



Rotational molded polyethylene housing with UV inhibitors for durability and shelf life.



The ECO FILTER features a dual compartment design housing which can be used for your simplex or duplex application needs.

Effluent Pumping Systems

Controls

The controls are one of the most important components of a pumping system. The control panel of the Delta Environmental® ECO FILTER system is engineered to operate the system at maximum efficiency. Using a robust and low-maintenance design, these controls vary according to your needs and have numerous options. The panel comes with features to indicate that your system is functioning 24 hours a day.

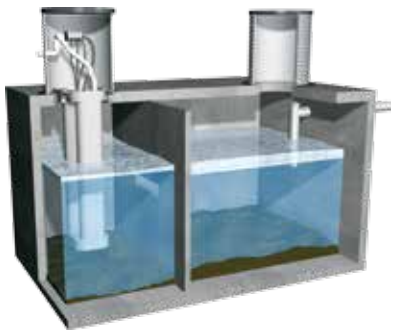


High-Head Effluent Pump

The powerful, yet lightweight DE Series features stainless steel construction, built-in overload and electric surge protection. W Environmental offers a wide range of pump selection for any application and incorporates features designed from our years of experience to provide you with trouble-free service.



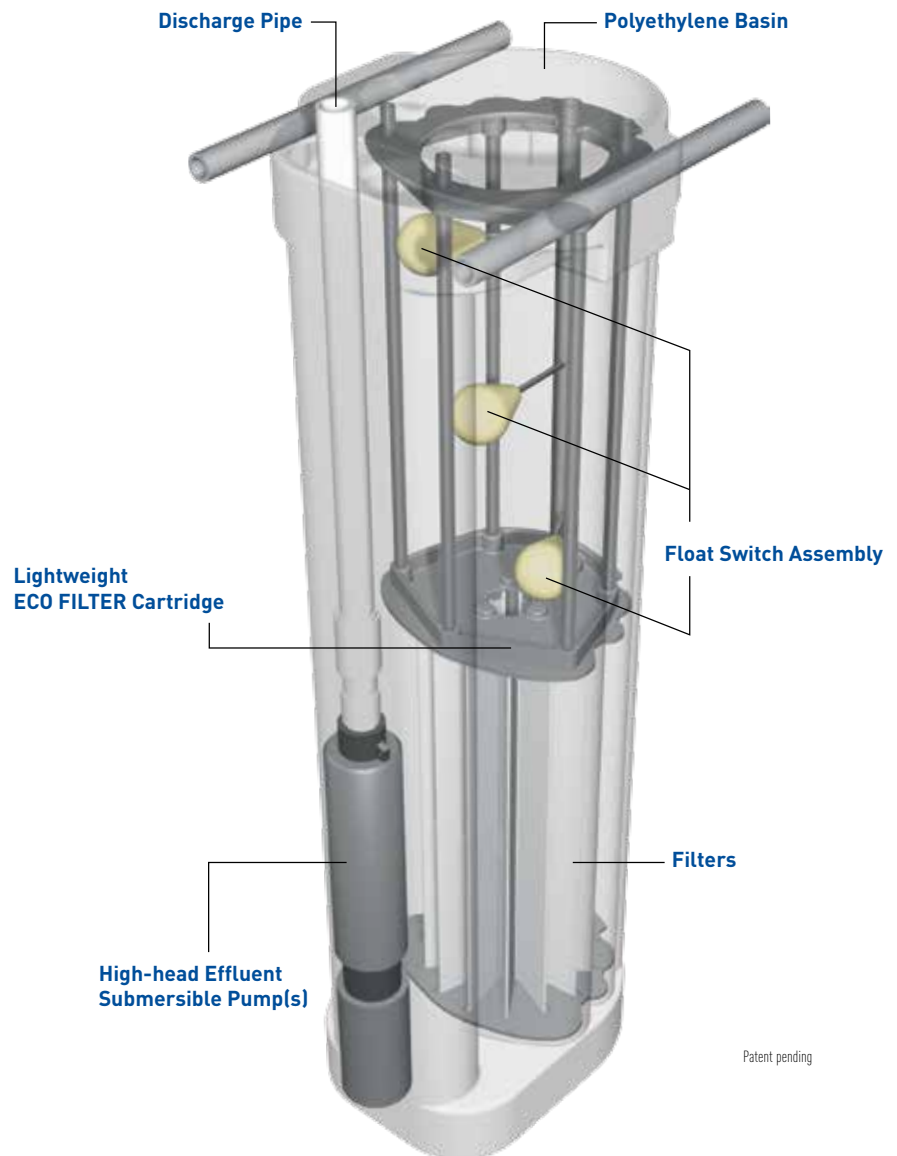
Perforated quality polypropylene medium allows ease of filter cleaning.



Concrete Tank



Fiberglass Tank



Patent pending

Other Delta Environmental® Products

A respected leader in wastewater treatment with decades of technical design and manufacturing experience, Delta Environmental is committed to the continuing development of new products in the 21st century.

Application

At Delta Environmental, our engineers have designed wastewater systems for many years, and all are field-tested. We have applied our vast experience in building residential and industrial wastewater systems to bring you the Delta Environmental ECO FILTER.

This system efficiently removes solids, which translates into improved wastewater quality. In addition, the Delta Environmental ECO FILTER prolongs the life of downstream treatment systems. The system is completely engineered and designed to meet your specifications. You have the choice of pumps, floats, enclosure size and control panels. You have the peace of mind knowing that an industry leader built your system.

Technical Support/Distributor Network

Distributors and corporate technical support are ready to help you with any questions. Delta Environmental has distributors around the country. Each of these professionals is factory-trained on the Delta Environmental ECO FILTER to provide the help you need. The network of support included with your purchase of the Delta Environmental ECO FILTER is second to none. The distributors of Delta Environmental are ready to provide the service you expect.



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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.
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