

Hydro Pretreatment

Turbidity and Carbon Filters

Turbidity Filters are used to remove suspended particulates such as sand, silt and clay from the water. This will in turn enhance the performance of downstream equipment by removing the larger materials before the water reaches the fine stages of filtration. Using turbidity filters prevents down-time associated with fouling of the reverse osmosis membranes.

Three layers of media are specially selected for particle size and density to provide a decreasing porosity as water flows down through the bed. Higher flow rates are available with less pressure drop and efficient particle removal to 10 microns.

Carbon Filters provide a high surface area and pore size distribution efficient for removal of a broad spectrum of organics. Granular activated carbon is made from select grades of bituminous coal. These filters also remove chlorine, which can damage some types of reverse osmosis membranes.



Pretreatment is a vital part of every high purity water filtration system. In order to protect your purification equipment, as well as improve the performance of all downstream components, various stages of pretreatment may be necessary.

Standard Features

- Solid state controls
- 5-cycle regeneration process
- Programmable controls
- Corrosion resistant piping
- Epoxy coated steel tank with a heat bonded polyethylene liner providing maximum corrosion resistance and durability

Operating Conditions

- Pressure 30 to 125 psi
- Temperature 35 to 120° F
- 120 Volts, 60HZ

Controls

- Solid state electronic elapsed-time
- Electronic demand volumed initiated programable LCD with display and multiple tank sequencing

Options

- Custom designed control panels
- Skid-mounted, prepiped and prewired systems available
- FRP pressure vessels



A08- 8/04

CORPORATE OFFICES:

PO BOX 12197, Research Triangle Park, NC 27709 800.950.7426

www.hydroservice.com

DIVISION OFFICES:

Raleigh/Durham, NC
Rockville, MD
Pennsylvania

919.361.5188
301.770.2120
215.547.0332

New Jersey
Massachusetts
Connecticut

973.926.0203
781.337.1203
203.265.3995