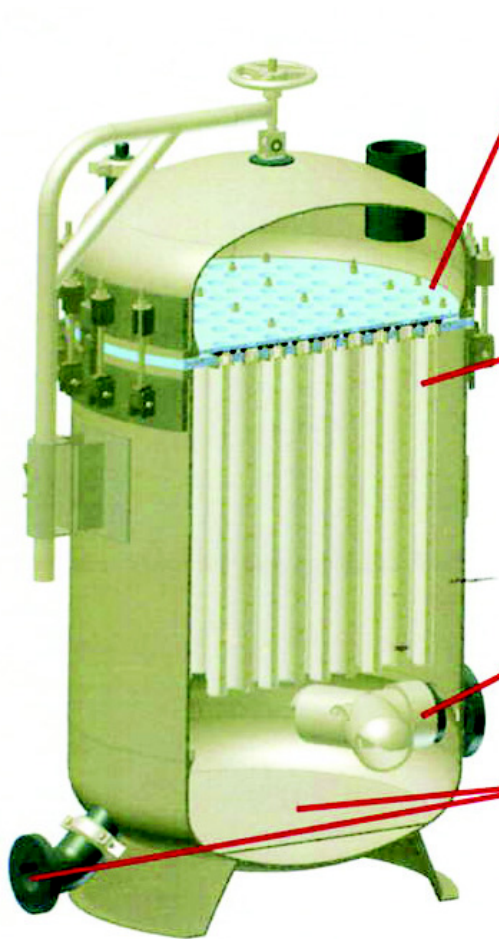




Regenerative Media (DE) Filters

Regenerative Media Filters are also known as Pressure or Closed Filters and use Diatomaceous Earth or Perlite as filter media. They offer the high quality of DE filtration, (down to 5 microns) together with a small footprint for the rated GPM. The other advantages are that filter media can be reused several times before backwashing, and that little water is used for each backwash. They have however been out of favour for a decade or two because of the high initial cost for equipment when compared to Open Pit or Vacuum style DE filters. With the costs of water and its treatment going up they are being reconsidered. The current generation have been redesigned to use non-corrosive materials such as Fiberglass, PVC, and Polyester for long trouble free life and are NSF Certified. Flows from 100 to 2500 USGPM and pipe sizes of 4 to 14 inches are available, as are multiple tanks systems with Automatic Backwash, and modern Bulk DE Mixing Tanks. Information, specifications and pricing are available on request.



Pressure & Tube Plates

- o Patented Closed Cavity Manufacturing Process (CCBM)
 - Manufactured of Vinylester Resin (F.R.P.)
 - Improved Mechanical Properties Over Traditional F.R.P. or Plastics
 - Superior Corrosion Resistance
- o Reliable "O"-Ring Compression Seal of Filter Tube Effluent Port
 - Prevents Media Escaping From Tank
- o Controlled Filter Tube Spacing Eliminates Bridging During Filter Cycle

Patented Filter Tubes

- o Polyester Cloth Septum
 - Heat Set Weave Highly Resistant to Movement
 - Double Layer of Septum Cloth in High Stress Areas
- o ABS Plastic Septum Support
 - Elongated Body w/ 6 Longitudinal Ribs Extending Radially from Hub
 - Edges of Core Rounded to Reduce Wear on Cloth Septum

Patented Influent Manifold

- o Divergent Outlet Ports w/ Cowls
 - Provides Precise Directional Flow Control
 - Assures Uniform Flow Pattern
- o Reliable Dispersion of Filter Media During Precoat Cycle
- o Dramatically Reduces Wear of Filter Tubes

Backwash Drain

- o Provides Complete Purging of Spent Filter Media
 - Sloped Self-Draining Bottom Plate
- o Sloped 45° Grooved Pipe Connection
 - Prevents Build-Up and Solidification of Filter Media