



## Multimedia Filters

- *Treatability studies*
- *Analysis*
- *Capital and operating cost preparation*
- *Design*
- *Build*
- *Complete skid mounted/modular treatment systems*
- *Installation*
- *Parts management*
- *Client satisfaction*

**Enprotec** designs and builds its own multi media filter using the proprietary triple cell concept. This design has the benefit of numerous applications and an extensive history of reliability. The triple cell concept consists of three separate filter cells each with high efficiency media with up to 5 layers of media size. These systems are designed to provide a high solid loading before backwash is required with design removals of 90% of 20 micron particles or greater. With the triple cell system an external backwash water source is not required. During backwash filtered effluent from two of the cells is used to backwash the third cell until all cells are backwashed. The filter system automatically recycles filter effluent back to the filter feed tank during time periods when there are low levels in the filter feed tank in order to allow the filter to run continuously. The backwash water can be directed to the head of the treatment process for retreatment, to a sludge holding tank for hauling or dewatering or direct to the sewer for discharge depending on the make up of the solids.

### Key Features:

- Flows from 10 to over 1,000 GPM
- Fiberglass roving with bonded polyethylene inner tank shell
- Skid mounted
- 150 psi pressure rating
- 100 degree temperature rating
- Automatic valves and control system
- Automatic backwash control

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