CECO Peerless

Process / Potable Water Treatment

Ceramic Filtration (CM)

Product Applications:

The first ceramic membranes were produced in the 1980s, with Ceramic Filtration made from inorganic materials (such as Alumina, Titania, Zirconia oxides, Silicon Carbide). CM is now progressively recognized in water treatment industry. It is used for oil-water separation, sediment filtration, water purification and for chemically aggressive fluid and high temperature applications. Ceramic Membrane is a good choice for extreme applications.

- Industrial Wastewater
- Dairy, Food & Beverage Industries
- High Temperature Wastewater
- Oily Water Treatment
- Chemically Aggressive Wastewater Treatment
- Wastewater Treatment and Recycling

Process Description

Fluid flows through the tiny pores in the ceramic filter element and particles larger than the pores of the ceramic filter are trapped on the surface. Ceramic filters can be backwashed automatically or manually cleaned, extending the life of the filter.

The System consisting of CM modules or housing, Feed water pumps & Circulation pumps.

Product Benefits:

- High Chemical Resistance
- High Temperature Resistance
- High porosity
- Longer lifetime
- High mechanical strength
- High flux (up to 300 gfd)
- Long operational life
- Potentially lower life-cycle cost

Service and Features:

- Supply as part of an integrated system to achieve the performance guarantee values
- Fast track delivery
- Retrofit for existing filters such as replacement of UF filtration
- Installation & supervision commissioning
- Operation & maintenance services