

Ceramic Membrane for the Beverage Industry



Food and Beverage Clarification Using Ceramic Microfiltration Filters

The Hilco Ceramic Membrane Filtration System is an ideal way to safely remove suspended solids in wine and juice filtration applications, providing exceptional clarity without stripping color. Membrane microfiltration is operated in a crossflow mode. The process stream flows along the surface of the membrane which minimizes the formation of material at the surface. Waste material and particles larger than the membrane are passed along with the flowing stream. The cleaned filtrate goes through the membrane and out of the system.

The Ceramic Membrane Filter is offered in four different retention-rated pore sizes (0.5 μm , 0.2 μm , 0.01 μm , and 0.005 μm).

Systems can be custom-designed for maximum operating efficiency based on your generating volume requirements.



Features and Benefits

- Compact and rugged design
- Long-term stable flux rates
- Broad PH operating range of 2-13
- Durable, reusable membrane filters
- High operating temperature to 200° F
- Steam sterilizable, immune to chlorine attack
- Cost-effective operation
- Healthy alternative to bulk DE filtration
- Improved product quality

Applications

- Wine
- Juice
- Beer
- Food
- CIP Chemical Recovery

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