SDI KITS

Collecting accurate, consistent measurements of the Silt Density Index (SDI) of water and wastewater reduces membrane fouling and allows process systems to become more efficient.

Manual SDI kits are an economical way to find the amount of particulate matter in water and clarified effluent samples. Auto SDI kits are also available for applications with little tolerance for manual error and faster silt density readings.

MEMBRANE DISTILLATION

Membrane Distillation (MD), a temperature driven membrane separation process, is widely used in desalination, concentration in food industries, acid manufacturing, removing organic and heavy metals, and treating radioactive waste. This process offers advantages such as:

- Low operating temperatures
- Low hydrostatic pressures
- Less susceptibility to fouling
- Ability to use renewable energy or waste heat

APPLICATIONS

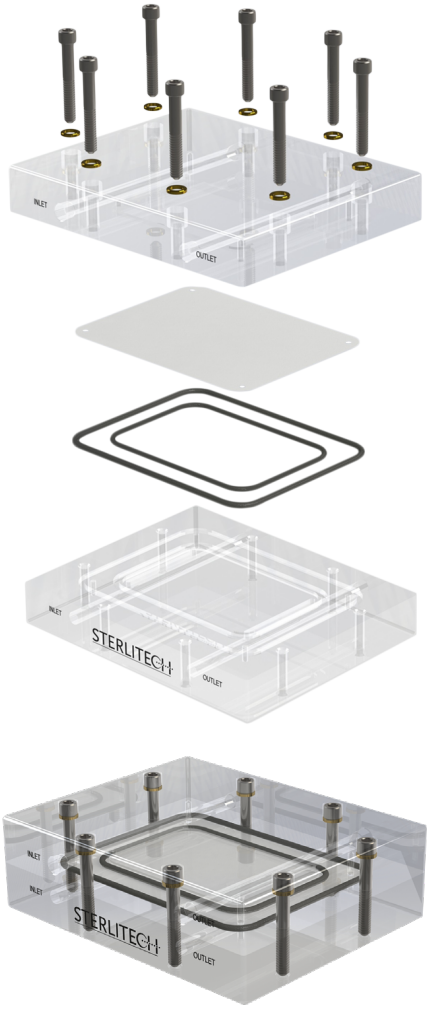
Membrane Distillation (MD) is widely used in separation processes such as:

- Desalination
- Concentration in food industries
- Acid manufacturing
- Removing organic and heavy metals
- Treating radioactive waste

Sterlitech carries membranes specifically for membrane distillation:

- PTFE (Unlaminated, Laminated, and Aspire Laminated)

These membranes vary in terms of pore size, thickness, polymer, which in turn effect permeability, chemical compatibility, and water entry pressure. All are hydrophobic, and have different maximum operating temperatures.



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