

INDUSTRIAL ULTRAFILTRATION UNIT

Ultrafiltration is a one of the pressure driven membrane separation process that remove suspended solids, bacteria, viruses and other pathogens to produce water with very high purity and low silt density. Ultrafiltration is used as a pretreatment for seawater and biologically treated municipal effluent before reverse osmosis systems.



enki's industrial ultrafiltration units are available from 25 to 500 m³/h.

Our ultrafiltration systems are available in either Outside-In and Inside-Out configurations.

Outside-In configuration UF Systems;

DOW H-PVDF Hollow Fiber UF Membranes

Inside-Out configuration UF Systems;

Inge PESM Hollow Fiber UF Membranes

Available Options

- CEB Chemically Enhanced Backwash
- Feed/Backwash dosing unit
- Membrane cleaning Unit (CIP)
- Turbidity meter
- Pressure transmitter
- Operator panel
- Stainless Steel Frame
- Electrically actuated valves

Applications

- Tertiary wastewater
- RO pre-treatment
- Drinking water treatment
- Grey water treatment
- Raw water filtration

Standard Features

- UF Modules (PVC)
- Stainless steel backwash pump
- Self-cleaning filter
- PN10/16 PVC piping
- Power supply 400 V 3 PH 50 Hz
- Electric Control Panel
- PLC controls
- Differential pressure switch
- Pneumatic actuated valves
- Flowmeter
- Epoxy coated frame

