

Organic Membrane Filtration System

OMS skid-mounted (Organic Membrane Filtration System) refers to a form of overall combination of equipment frame and whole equipment. Organic membrane system means that a group of equipment is fixed on the chassis and can be used after moving. It is not necessary to install valves and instruments in the middle, and it can be used by directly connecting the pipelines. OMS skid-mounted device is widely used in reverse osmosis (RO), Nanofiltration (NF), Ultrafiltration (UF) and Microfiltration (MF). OMS skid-mounted device is customized design to evaluate the performance applied in RO, NF, UF& MF.



OVER VIEW OF OMS SKID- MOUNTED DEVICE

OMS skid-mounted device is to meet the needs of researchers and end users through customization. OMS skid-mounted device is provided as a single or multiple-sets configurations in parallel and in series mode. OMS skid-mounted device is an automatic integrated device designed according to the user's requirements. According to the user's standardized design and digital management requirements, we offer OMS skid-mounted device which meets the user's on-site production requirements and process conditions.

OMS skid-mounted device can achieve the purpose of data remote transmission and unattended with the remote intelligent terminal control system. OMS skid-mounted device is flexible and is designed different functions according to different user's requirements.

APPLICATION OF OMS SKID- MOUNTED DEVICE

- Food and beverage processing
- Bio-pharm processing
- Seawater or brackish desalination
- Juice and extract concentration (e.g. fruit juice membrane)

- Industrial wastewater treatment or purification
- Brine purification
- Boiler industry water
- Landfill leachate treatment
- Water reuse in power plant
- Flushing water purification
- Printing and textile wastewater (e.g. dye wastewater treatment)

FEATURES OF OMS SKID- MOUNTED DEVICE

- Modular- membrane elements, modules, power part, control and electrical part, pipeline, tank, instrumentation as well as structural and mechanical parts are designed in a package mode;
- Charge substantial savings-All the design combined with basic process and on-site condition are fully considered ;
- Reasonable layout- Modular or package unit design fully meets on-site operation requirements;
- Upgrade fabrication and on-site installation - packaged equipment is inherently less complex to install and commission.
- Good quality control-The modular manufacturer assumes full responsibility and can correct any system errors that may be easily discovered.
- Fast data collection -All the data including flow rate, pressure, temperature, conductivity, and other relevant parameters are displayed in digital and recorded and tracked.