

EcoMem™ MBR Compact Package Plant

The EcoMem™ Compact package plant consists of a bioreactor and a filtration tank with Ecologix MBR module and Operation Control Unit(OCU). The submerged UF membranes retain all solids, bacteria and germs bigger than approx. 0.04µm separation size and guarantee a maximum effluent quality. It is ideally suited for communities that desire a high quality water system with a small footprint, minimal installation and nominal operator attendance. The membrane filtration system, along with all ancillary equipment included the permeate/back flush filtrate tank, air supply system, CIP system, instrumentation package and integral controls are supplied.

Applications:

- Water recycling for toilet flushing and irrigation
- Ground and surface water discharges requiring
- Pre-treatment for RO system
- Smaller municipal and industrial wastewater treatment
- Pharmaceutical projects
- Emergency response wastewater treatment
- Numerous applications for various filtration purposes
- Military bases, school, parks, resorts, etc...



High Quality water:
 BOD: < 5 mg/L
 SS: < 2 mg/L
 Coli. : < 1cfu/100mL
 Turbidity: 0.1 NTU



EcoMem™ MBR Compact package provides-

- Self-contained modular water treatment plant
- Membrane type: Hollow fiber, Flat sheet & Spiral-wound element
- Compact with OCU(Operation Control Unit), pre-mounted, pre-piped and pre-wired.
- Factory assembled and tested to minimize installation and commissioning
- Modular add-on packages available to customize as required

Benefits-

- Reduced installation costs
- Decreased on-site start up/commission time
- Reduces overall footprint requirement
- Lower clearance

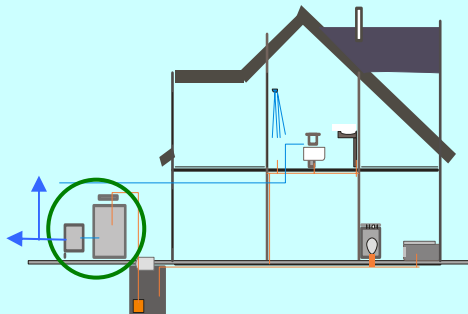
Operation Control Unit (OCU)

- Permeate/Backwash pump
- Air blower
- Sludge recirculation pump
- Treated water & Chemical tank
- Control panel board
- Wiring & Piping
- Full Instruments design



Operation Control Unit (OCU)

EcoMem™ MBR Compact plant shipped to South East Asia, Mid. East and Latin America.



EcoMem™ MBR smaller package plant uses ultra filtration (UF), currently the most advanced method of local wastewater (black water) treatment. EcoMem™ package eliminates even bacteria and germs. This restores wastewater to hygienic condition fit for use as service water, for example, to spray the garden or flushing the toilet.

