

Ecologix Package MBR Plant

Improve sewage treatment discharge standards and Reuse

Correct module selection, the MBR system will be 99.9% success!



Ecologix Technologies Asia Pacific, Inc.

Since 1992

The largest MBR flat sheet module manufacturer in South East Asia

www.ecologix.com

What is MBR?

The MBR module is installed in the membrane bioreactor (MBR tank), Combining membrane stable Separation technology and biological treatment technology to replace the activated sludge aeration, sedimentation, filtration and disinfection at the sewage plant.

Its means MBR system integrated the traditional aeration, final sedimentation, sand filtration into a single process.

The superior filtration function and retain the sludge, enhance MLSS to carry out the high-efficiency decomposing biological characteristics, not only improve the quality of the effluent, but also reduce 1/2 area of sewage treatment plant and 1/2 of the waste sludge.



PVDF membrane plate (element)



Element cassette and insert track



Ecologix MBR module



MBR tank + MBR modules



MBR in operation



Left: discharge right: raw water

Ecologix Skid Mounted Package MBR Plant-EcomemXpress



Easy installation and quick start up!

From 2012, there will be more than 250 units installed in Taiwan and exported to the United States, South America, Mid. East, Mid. Asia, South East Asia, and the capacity from 50m³/day to 600m³/day per package MBR plant.

The treated water is reused for irrigation and Industries, also, it's a best pretreatment of RO for drinking.

EcomemXpress features and benefits

- Pre - assembled and pre-skidded equipment package
- Minimum piping work on site and easy to relocate
- Compact with OCU, pre-mounted, pre piped and wired.
- Factory assembled and tested to minimize installation and commissioning
- Fast delivery and start up
- available to customize as required
- Minimal operator attention

Applications:

- Surface water UF filtration
- Municipal and industrial wastewater
- Emergency response wastewater treatment
- Military bases, School, Parks, Resorts and Restaurant

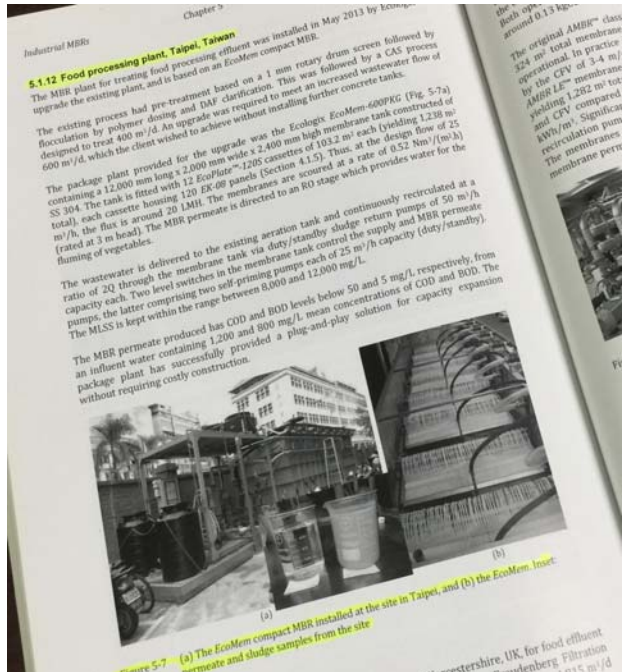


MBR package plant, installed UF membrane module, best for surface water UF filtration. Receiving the raw water through flocculation and DAF (dissolved air flotation), discharge the permeated superior water for reuse.



Instllation List, from 2006: Ecologix MBR module and EcomemXpress

- Food processing plant, 400CMD: EcomemXpress-400PKG skid mounted MBR plant
 - Food processing plant, 600CMD: EcomemXpress-600PKG skid mounted MBR plant
 - Food processing plant, 400CMD: EcomemXpress-400PKG skid mounted MBR plant
 - Hospital, 500CMD: Module EK-120 x 10 units, membrane PVDF, 0.05um
 - Restaurant center, 1200CMD: EcomemXpress-600PKG skid mounted MBR plant x 2 plants
 - CN university, 500CMD: Module EK-130 x 4 units, membrane PVDF, 0.05um
 - Food processing plant, 400CMD: EcomemXpress-400PKG skid mounted MBR plant
 - Land fill plant, 4800CMD: Module EK-180 x 80 units, membrane PVDF, 0.05um
 - Meat Refinery plant, 200CMD: EcomemXpress-200PKG skid mounted MBR plant
 - Surface water filtration, 350CMD: EcomemXpress-350PKG skid mounted MBR plant
 - Petrochemical, 5400CMD: Module EW-200 x 48 units, membrane PVDF, 0.05um
 - Chemical plant, 500CMD: EcomemXpress-500PKG skid mounted MBR plant
- Total around 220 plants in the world from 30cmd to 600cmd
- Case study in Industrial mbrs
Ecologix Skid mounted MBR package plant



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