

Membrane BioReactor (MBR) Machine

In April 2011, Pure Aqua successfully supplied a Membrane BioReactor (MBR) machine to a major company in Saudi Arabia. The machine was designed to produce 10,000 GPD. From its initial start-up, the machine has been operating accordingly with minimal trouble-shooting.

The Membrane BioReactor (MBR) is a qualified sewage treatment machine using Pure Aqua's water treatment expertise with Toray's submerged membrane technology. The membrane separation process takes out the conventional sedimentation tank and permits high volumetric loading, concluding with a smaller footprint. The MBR can generate superior quality effluent with high BOD5 removal (about 98%), complete nitrification and semi de-nitrification and accomplishes virtually complete TSS removal.



System Overview

Location:	Saudi Arabia
End-User:	A major company
Objective:	To remove BOD & TSS
Water Source:	Sewage
Capacity:	10,000 GPD

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Designed and
Manufactured in
Southern California,
USA

Pure Aqua Inc. is an
ISO: 9001 certified
company with over a
decade of experience
in advanced system
design and
manufacturing.

Using the latest
technology in 3D
Computer Aided
Design (CAD) software
allows for highly
detailed and functional
design. This reduces
material cost and
environmental impact,
while maintaining
quality and reliability.

Our modular systems
are engineered for
ease of integration and
delivery to many
locations worldwide.