Clean Water from Wastewater

Membrane Bioreactor (MBR)
Producing Clean Water from Wastewater Directly
Membrane Bioreactor
a Novel Water Treatment Technology
Membrane Bioreactor

Prolonged sludge retention, Hormones removal
Membrane Bioreactor

Mixed liquor in Aeration Tank

Permeated Water
Configuration of MBR System
Configuration of MBR System

- Air Pump
- Permeate
- Solenoid Valve
- Influent
- Peristaltic Pump
- Air Blower
- Membrane
- Suction Pump

Aerobic
Configuration of MBR System

- Air Pump
- Permeate
- Solenoid Valve
- Suction Pump
- Influent
- Peristaltic Pump
- Bioreactor
- Membrane
- Air Blower
- Aerobic

- Influent
- Solenoid Valve
- Air Pump
Configuration of MBR System

- Air Pump
- Permeate
- Solenoid Valve
- Influent
- Peristaltic Pump
- Bioreactor
- Suction Pump
- Membrane
- Air Blower
- Aerobic
Configuration of MBR System

- Air Pump
- Permeate
- Solenoid Valve
- Suction Pump
- Influent
- Peristaltic Pump
- Bioreactor
- Aerobic
- Membrane
- Air Blower
- Air Pump
Configuration of MBR System

Aerobic

- Bioreactor
- Peristaltic Pump
- Solenoid Valve
- Air Pump
- Suction Pump
- Permeate
- Membrane
- Air Blower
- Influent
Configuration of MBR System

Aerobic

Bioreactor

Peristaltic Pump

Solenoid Valve

Influent

Suction Pump

Permeate

Membrane

Air Blower

Air Pump
Configuration of MBR System

- Air Pump
- Permeate
- Solenoid Valve
- Influent
- Peristaltic Pump
- Air Blower
- Membrane
- Suction Pump
- Bioreactor
- Anoxic
Configuration of MBR System

- Air Pump
- Permeate
- Solenoid Valve
- Suction Pump
- Influent
- Peristaltic Pump
- Bioreactor
- Membrane
- Air Blower
- Anoxic
Configuration of MBR System

- Air Pump
- Permeate
- Solenoid Valve
- Influent
- Peristaltic Pump
- Bioreactor
- Anoxic
- Suction Pump
- Membrane
- Air Blower
- Air Pump
Configuration of MBR System

- **Air Pump**
- **Permeate**
- **Solenoid Valve**
- **Influent**
- **Peristaltic Pump**
- **Air Blower**
- **Bioreactor**
- **Suction Pump**
- **Membrane**
- **Anoxic**

Anoxic compartment is highlighted with a yellow background.
Configuration of MBR System

- Air Pump
- Permeate
- Solenoid Valve
- Influent
- Peristaltic Pump
- Bioreactor
- Anoxic
- Suction Pump
- Membrane
- Air Blower
- Air Pump