

MHM · MRO SERIES

MHM Reverse Osmosis Plant

Skid-mounted RO plant, 1–100 m³/h, with pre-treatment, dosing and CIP.

Origin: Assembled in Bangladesh · Category: Water Treatment Plants



CAPACITY

1–100 m³/h

RECOVERY

65–75%

PERMEATE TDS

< 30 ppm

MEMBRANES

8 in, 400 ft²

CONTROL

PLC + HMI

WARRANTY

12 months

Overview

MRO plants take borewell or surface water down to under 50 µS/cm for boilers, dyeing and pharmaceutical process water. Skids include multimedia and carbon filters, antiscalant dosing, 5 µm cartridge filters, high-pressure pump and FRP membrane vessels with 8-inch membranes.

A PLC with HMI logs conductivity, pressure and flow; auto-flush and CIP connections are built in.

Design features

Engineered for Bangladesh conditions

Rated for 45 °C ambient, 95% humidity and 380–415 V / 50 Hz supply with wide voltage tolerance.

Genuine parts and AMC

Spares stocked in Dhaka; annual maintenance contracts with 24-hour response.

Installed by MHM technicians

Own site team for supply, installation, testing and commissioning.

Energy-efficient design

Premium-efficiency motors and drives reduce running cost from day one.

Remote monitoring ready

Modbus / BACnet interface for BMS integration.

Documented handover

Test reports, O&M manual and drawings supplied with every project.

Typical applications

- Boiler feed water
- Pharmaceutical purified water pre-treatment
- Textile dyeing water
- Beverage process water

Technical data — MRO Series

Model	Permeate (m ³ /h)	Feed (m ³ /h)	Membranes	HP pump (kW)	Skid L × W × H (mm)
MRO-01	1	1.5	2	2.2	2000 × 800 × 1600
MRO-05	5	7.2	8	7.5	3600 × 1200 × 1900
MRO-10	10	14	16	15	4800 × 1400 × 2000
MRO-25	25	35	36	37	6500 × 1800 × 2200
MRO-50	50	70	72	75	9000 × 2200 × 2400

Ratings at standard conditions stated in the facts above. Intermediate capacities, alternative voltages and special options on request; MHM selects the model for your load, ambient and water conditions.



Selection, installation and after-sales by MHM Engineering

Send your capacity, ambient / water conditions and site drawings to sales@mhmmachineries.com or call +880 1321-206755. Every MHM unit is commissioned by our own engineers and covered by an annual maintenance contract with genuine spares stocked in Dhaka.