

PLANT UTILITIES

Water Treatment Plants

RO, DM and softener plants, 1–150 m³/h, for boilers, dyeing and pharma.

Brands: MHM



SOFTENER

1–150 m³/h

DM OUTPUT

< 1 µS/cm

AUTOMATION

PLC + HMI

RO CAPACITY

1–100 m³/h

Overview

Groundwater in industrial belts around Dhaka is hard and high in iron. MHM builds skid-mounted RO, DM and softener plants with iron removal and pre-treatment, so boilers, cooling towers and dyeing machines receive water of the right quality.

Range

Reverse osmosis

1–100 m³/h, below 30 ppm TDS.

Demineralisation

Two-bed and mixed-bed, below 1 µS/cm.

Softener

Simplex/duplex, 1–150 m³/h.

Why plants choose MHM

- **Water tested first** — Raw-water analysis before design.
- **Skid mounted** — Factory built, quick install.
- **PLC automation** — Auto flush, regeneration and logging.

Applications

- Boiler feed
- Cooling tower make-up
- Textile dyeing
- Pharmaceutical purified water
- Beverages

MHM Reverse Osmosis Plant — MHM · MRO Series



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

Capacity	1–100 m ³ /h
Recovery	65–75%
Permeate TDS	< 30 ppm
Membranes	8 in, 400 ft ²
Origin	Assembled in Bangladesh

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

MHM Demineralisation Plant — MHM · MDM Series



Two-bed and mixed-bed ion exchange DM plants, 0.5–50 m³/h, conductivity below 1 µS/cm.

Capacity	0.5–50 m ³ /h
Output	< 1 µS/cm (MB)
Vessels	FRP / rubber-lined MS
Resin	Cation + anion + MB
Origin	Assembled in Bangladesh

Model	Flow (m ³ /h)	Output per cycle (m ³)	Vessel dia (mm)	Resin (L)	Footprint (mm)
MDM-01	1	20	400	2 × 100	2500 × 1500
MDM-03	3	60	600	2 × 300	3200 × 1800
MDM-10	10	200	1000	2 × 900	4500 × 2500
MDM-25	25	500	1400	2 × 2200	6000 × 3200
MDM-50	50	1000	1800	2 × 4500	8000 × 4000

MHM Water Softener — MHM · MSF Series



Automatic sodium-cycle softener, 1–150 m³/h, for cooling towers, boilers and dyeing.

Capacity	1–150 m³/h
Hardness out	< 5 ppm as CaCO ₃
Vessel	FRP
Valve	Auto multiport
Origin	Assembled in Bangladesh

Model	Flow (m³/h)	Vessel (in)	Resin (L)	Brine tank (L)	Height (mm)
MSF-02	2	13 × 54	50	100	1600
MSF-05	5	18 × 65	120	200	1900
MSF-15	15	30 × 72	400	500	2200
MSF-40	40	42 × 72	900	1000	2400
MSF-100	100	63 × 86	2500	2500	2800

Talk to an MHM engineer

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