

Industrial RO Systems

MARO Series

The MARO Series RO's are complete, pre-engineered proven designs that produce consistent high quality water in flow rates up to 360000 GPD. The systems feature simple user-friendly controls, rugged construction, easy access for maintenance and installation.

The systems can be supplied with several options that will help reduce energy, reduce the amount of water required for operation and even provide for water recycling. Some of these options are:

- Low energy membranes (150 psi /225psi)
- High water recovery operation (depending on feed quality)
- Output controlled operation with variable speed drive
- Reject water recovery and reuse systems

Standard Features

- 5.0 um multi-cartridge pre-filter
- Automatic inlet shut-off valve
- Multi-stage centrifugal pump
- Two flow meters
- Programmable auto-flush feature
- PLC system control
- Clean-In-Place ports

Materials of Construction

- Frame: Stainless steel 304 or Powder coated steel
- Membrane Elements: TF Polyamide
- Membrane Housing: FRP
- Low Pressure Pipe: UPVC
- High Pressure Pipe: Stainless Steel
- Pump: Stainless Steel

Operating Parameters

- Operating Pressure: < 300 psig
- Maximum Recovery: 60% - 75%
- Nominal Rejection: 95-99%
- Operating Temperature: 2-35 °C
- Minimum Inlet Pressure: 30 psig
- Design Temperature: 25 °C

Additional Options

- Optional VFD systems
- Feed Water ORP
- Feed Water pH
- Clean in Place (CIP) Unit



Product Code	Capacity (Minimum)	Membrane Quantity	Motor (HP)	Inlet (Inch)	Permeate (Inch)	DIMENSION (LXWXH) (cm)	Ship Weight (kg)
MARO-24000	24000GPD (4000L/HR)	8040X4	5.5	1 1/2"	1 1/2"	310x120x165	696.00
MARO-36000	36000GPD (6000L/HR)	8040X6	7.5	2"	1 1/2"	450x120x165	715.00
MARO-48000	48000GPD (8000L/HR)	8040X9	15	2"	1 1/2"	450x120x165	770.00
MARO-60000	60000GPD (10000L/HR)	8040X12	15	2"	1 1/2"	550x120x165	795.00
MARO-72000	72000GPD (12000L/HR)	8040X16	15	2 1/2"	2"	550x120x165	880.00
MARO-90000	90000GPD (15000L/HR)	8040X20	15	2 1/2"	2"	550x120x165	965.00
MARO-120K	120000GPD (20000L/HR)	8040X24	20	3"	2 1/2"	750x120x165	980.00
MARO-150K	150000GPD (25000L/HR)	8040X30	25	3"	2 1/2"	750x120x165	1100.00
MARO-180K	180000GPD (30000L/HR)	8040X36	30	4"	3"	750x120x165	1185.00
MARO-210K	210000GPD (35000L/HR)	8040X42	40	4"	3"	750x120x165	1300.00
MARO-240K	240000GPD (40000L/HR)	8040X48	40	4"	4"	750x120x165	1380.00
MARO-270K	270000GPD (45000L/HR)	8040X54	40	6"	4"	750x120x165	1465.00
MARO-300K	300000GPD (50000L/HR)	8040X60	50	6"	4"	750x120x165	1550.00
MARO-360K	360000GPD (60000L/HR)	8040X72	60	6"	6"	750x120x165	1800.00

Note: All weights and dimensions are approximate. Other custom designs are available upon request

