

INDROMATIC

Upgraded Package Reverse Osmosis Systems

Scarcity of clean water has increased our dependence on groundwater sources which are unsuitable for drinking or industrial use unless properly treated. Reverse osmosis membrane desalination process is increasingly used worldwide, if there is a lack of water for drinking and industrial purposes.

Reverse osmosis membrane technology produces water with very low dissolved solids which is also free from particulate pollution and organic matter.



Features

- Housed in a well designed cabin modelled mild steel epoxy painted skid
- FRP moulded control & wet panels for long life with added protection
- Operation control by microprocessor
- Auto or manual control of entire RO system
- GSM based one way remote monitoring system
- MIMIC for the complete RO operation
- Built in safety features to protect high pressure pump & membranes
- Additional protection (Dry run / Overload / Single Phase) for high pressure pump
- Provision for auto dosing
- Metering and control of RO system, based on product water quality
- Online sensor to measure permeate flow rate and total value
- Efficiently removes up to 95% of total dissolved solids (TDS) or salinity to produce water that is clear and pleasant to taste
- Range of models with capacities from 400 - 1000 litres/h
- Capable of handling waters with TDS up to 2500 ppm (based on model)
- Fault condition notification by means of SMS alerts
- High level treated water tank indication to prevent overflow

Optional Features

- Microprocessor based auto flushing

Advantages

- The most economical method of dissolved solids removal
- Easy to start and user friendly operation. Less footprints
- Can handle fluctuation in total dissolved solids in feed water
- Easy availability of spare parts and service
- Longer life periods

Applications

- Providing drinking water to hotels, restaurants, hospitals and residences
- Mineral water plants
- Laboratory water
- Retreatment of ion exchange resin, turned reduces chemical consumption
- In pharmaceutical processes
- In providing water with reduced scaling potential to boilers

Technical Data

Model	INDROMATIC 402	INDROMATIC 403	INDROMATIC 404	INDROMATIC 405
Average Product Flow (LPH)	400	600	800	1000
*Average Recovery	30	30	30	30
*Maximum Possible TDS in feed (ppm)	2500	2500	2500	2500
Average TDS Removal (%)	Between 90 to 95			
Minimum Pressure required at Pump Inlet (kg/cm ²)	Not less than 2 .0			
Power Supply	415V/50HZ			
Motor HP /RPM	3.0/2900			
Dimensions (Width x Depth x Height x Head Room)	850 mm x 650 mm x 1630 mm x 1000 mm			

Note:*Higher recovery & TDS levels are possible. Contact us with detailed raw water analysis. Feed water temperature should not be above 40 degrees centigrade.

To the best of our knowledge, the information contained in this publication is accurate as of the date of publication. We do not warrant the accuracy of the information contained herein and we assume no responsibility for any errors or omissions.

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