

INDROMATIC 402/403/404/405

Advanced Packaged Reverse Osmosis System

Scarcity of clean water has increased our dependence on ground water sources. However, this water is unfit for drinking or for industrial use unless properly treated. Reverse osmosis, a membrane based desalination process increasingly used worldwide, purifies brackish water for drinking and industrial purposes.

INDROMATIC, with its reverse osmosis membrane technology, produces water with very low dissolved solids which is also free from particulate, colloidal and organic matter.

Features

- Housed in a well-designed mild steel skid, coated with epoxy paint
- FRP moulded control and wet panels for longer life
- Auto or manual control of entire RO system
- GSM based one way remote monitoring system
- On screen simulation of complete operation
- Optional feature of high level indication, prevents overflow in treated water tank
- Auto flushing option also available
- Built-in safety features such as dry run, overload, single phase, etc. to protect high pressure pump & membrane
- Provision for auto dosing
- Online monitoring and control of permeate flow and quality
- Capable of handling total dissolved solids (TDS) up to 2500 ppm
- Standard models with capacities from 400 - 1000 l/h

Advantages

- Removes TDS up to 95% and efficiently handles TDS fluctuation
- Fault condition notification by SMS alerts
- Easy to start and user-friendly



- Easy availability of spares and service within short delivery periods
- Smaller footprint

Applications

- Provides safe drinking water for hotels, restaurants, hospitals and residences
- Mineral water plants
- Laboratory water and other pharmaceutical processes
- Water for various process applications in food and beverages, electronics and other industries
- Pretreatment to deionisation system, reduces chemical consumption and operating cost
- Boiler water feed for reducing scaling potential

Technical Specifications

Model	<i>INDROMATIC</i> 402	<i>INDROMATIC</i> 403	<i>INDROMATIC</i> 404	<i>INDROMATIC</i> 405
Average Product Flow (LPH)	400	600	800	1000
*Average Recovery (%)	30	30	30	30
#Maximum Permissible TDS in Feed (ppm)	2500	2500	2500	2500
Average TDS Removal (%)	Between 90 to 95			
Minimum Feed Pressure required at Pump Inlet (kg/cm ²)	2.0			
Power Supply (3 Phase)	415 V/50 Hz			
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 for confirmation.
#Feed water temperature should not be above 40° C.

Our state-of-the-art manufacturing facilities are ISO 9001, ISO 14001 & ISO 45001 certified.

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional / branch offices for current product specifications.



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