

INDROMATIC

Advanced Packaged Reverse Osmosis Systems

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
- Complete operation is simulated on screen
- Optional feature of high level indication, prevents overflow in treated water tank
- Auto flushing as an option
- 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 footprints

Applications

- Providing 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
- Pre-treatment to deionisation system, reduces chemical consumption and operating cost
- Boiler water feed for reducing scaling potential

Technical Data

Model	INDBOMATIC 402	INDBOMATIC 403	INDBOMATIC 404	INDBOMATIC 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 degrees centigrade.

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.

ION EXCHANGE (INDIA) LTD.

Corporate Office

Ion House, Dr. E. Moses Road,
 Mahalaxmi, Mumbai 400 011
 Tel: +91 22 3989 0909 | Fax: +91 22 2493 8737
 E-mail: ieil@ionexchange.co.in

International Division

R -14, T.T.C MIDC, Thane - Belapur Road,
 Rabale, Navi Mumbai 400 701
 Tel: +91 22 3989 0909 / 3913 2400 | Fax: +91 22 2769 7918
 E-mail: export.sales@ionexchange.co.in

OFFICES

Regional	Telephone	Fax	E-mail
Chennai	+91 44 3989 0909 / 3910 2900	+91 44 2815 3361	checro@ionexchange.co.in
Delhi	+91 11 3989 0909 / 3054 3200	+91 11 2577 4837	delcro@ionexchange.co.in
Kolkata	+91 33 3989 0909 / 3043 3400	+91 33 2400 4345	calcro@ionexchange.co.in
Vashi	+91 22 3989 0909 / 3913 2300	+91 22 2788 9839	mumcro@ionexchange.co.in
Branch			
Bengaluru	+91 80 2204 2888	+91 80285 32002	bngcro@ionexchange.co.in
Bhubaneswar	+91 674 326 9525 / 257 1491		bbsr@ionexchange.co.in
Chandigarh	+91 172 274 5011	+91 172 274 4594	delcro@ionexchange.co.in
Hyderabad	+91 40 3066 3101 / 02 / 03	+91 40 3066 3104	hydcro@ionexchange.co.in
Lucknow	+91 522 319 9911	+91 11 2577 4837	lko.general@ionexchange.co.in
Vadodara	+91 265 302 7489 / 90	+91 265 2352 932	brdcro@ionexchange.co.in
Visakhapatnam	+91 891 324 6253		sales.vizag@ionexchange.co.in
Factories: Ankleshwar Hosur Patancheru Rabale Verna		All India Service and Dealer Network	

www.ionindia.com