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

Advantages

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

<table>
<thead>
<tr>
<th>Model</th>
<th>INDRONIC 402</th>
<th>INDRONIC 403</th>
<th>INDRONIC 404</th>
<th>INDRONIC 405</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Product Flow (LPH)</td>
<td>400</td>
<td>600</td>
<td>800</td>
<td>1000</td>
</tr>
<tr>
<td>*Average Recovery (%)</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>*Maximum Permissible TDS in Feed (ppm)</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
</tr>
<tr>
<td>Average TDS Removal (%)</td>
<td>Between 90 to 95</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Feed Pressure required at Pump Inlet (kg/cm²)</td>
<td>2.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Supply (3 Phase)</td>
<td>415 V/50 Hz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor HP / RPM</td>
<td>3.0/2900</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (Width x Depth x Height x Head Room)</td>
<td>850 mm x 650 mm x 1630 mm x 1000 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 manufacturing units are ISO 9001 & 14001 certified. Our Patancheru unit is also OSHAS 18001 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.

---

**ION EXCHANGE (INDIA) LTD.**

**Corporate Office**
Ion House, Dr. E. Moses Road, Mahalaxmi, Mumbai - 400011
Tel: +91 22 3047 2042 | E-mail: iei@ionexchange.co.in

**Regional and Branch Offices**
- **Bengaluru:** Tel: +91 88 2204 2888 | E-mail: bngcro@ionexchange.co.in
- **Bhubaneswar:** Tel: +91 674 326 9525 / 257 1491 | E-mail: bbsr@ionexchange.co.in
- **Chandigarh:** Tel: +91 11 272 5011 | E-mail: chcroc@ionexchange.co.in
- **Chennai:** Tel: +91 44 3910 2900 | E-mail: chcro@ionexchange.co.in
- **Delhi:** Tel: +91 11 3354 5800 | E-mail: delcro@ionexchange.co.in
- **Hyderabad:** Tel: +91 40 3066 3101 / 02 / 03 | E-mail: hydcro@ionexchange.co.in
- **Kolkata:** Tel: +91 33 3043 3400 | E-mail: clcro@ionexchange.co.in
- **Lucknow:** Tel: +91 522 319 9911 | E-mail: lko.general@ionexchange.co.in
- **Vadodara:** Tel: +91 265 302 7489 / 90 | E-mail: brecro@ionexchange.co.in
- **Vashi:** Tel: +91 22 2777 0000 | E-mail: vascro@ionexchange.co.in
- **Visakhapatnam:** Tel: +91 891 324 6253 | E-mail: sales.vizag@ionexchange.co.in

**International Division**
R-14, T.T.C MIDC, Thane - Belapur Road, Rabale, Navi Mumbai - 400 701 | Tel: +91 22 3913 2400 | E-mail: export.sales@ionexchange.co.in

**Overseas Offices**
- **Bahrain:** Tel: +973 77 27 8899 | E-mail: iei.bahrain@ionexchangeglobal.com
- **Bangladesh:** Tel: +880 2 9820230-32 | E-mail: mj.shahidk@ionexchange.co.in
- **East Africa:** Kenya - Tel: +254-78664102 | Tanzania - Tel: +255 79783 3461 | E-mail: maksudur.rahman@ionexchange.co.in
- **Indonesia:** Tel: +62 21-89329088 / 89329053 | E-mail: ionexchange@dnet.net.id
- **Oman:** Tel: +968-24697697 / +968-24696354 | E-mail: info@ionexchange-oman.com
- **Saudi Arabia:** Tel: +966 13 887 8888 / 966 580493568 / +966 503883288 | E-mail: velan@ionexchange.co.in
- **Singapore:** Tel: +65 66734361 | E-mail: manocha.anil@ionexchange.co.in
- **South Africa:** Tel: +27 11 4064060 / 4064000 | E-mail: gourish.chakravarty@ionexchange.co.in
- **Thailand:** Tel: +66-2 246 7211 | E-mail: gaurav.khullar@ionexchange.co.in
- **UAE:** Tel: +9716 5261609 / 5261909 | E-mail: uae.sales@ionexchangeglobal.com
- **USA / Canada:** Tel: +1 416 712-3940 / +1 905 915 5504 | E-mail: malvin.kalsi@ionexchangeglobal.com

Factories: India - Ankleshwar | Hosur | Patancheru | Rabale | Verna
Overseas - Hamriyah | Kingdom of Bahrain | Indonesia | Bangladesh
All India Service and Dealer Network

www.ionindia.com