

**INDION QUENCHER<sup>®</sup>**  
**AUTO**



**A FULLY AUTOMATED INNOVATION**  
**FOR PURIFICATION & BOTTLING OF DRINKING WATER**  
**REPLACES PLASTIC WITH GLASS BOTTLES**



IT Parks

Hospitals

Commercial offices

Hotels

With a legacy spanning over 59 years, Ion Exchange pioneered water treatment in India and is today one of Asia's largest water and environment solutions provider, with a strong global presence. We are among few companies worldwide with a complete range of technologies, process, products & services for Total Water & Environment Management for industries, institutions, municipalities, homes and urban & rural communities.

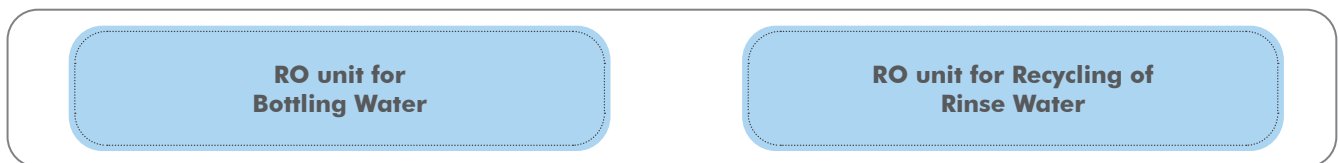
Our water and environment solutions extend far beyond industrial horizons, to provide safe drinking water and a clean environment to hotels, educational institutions, hospitals, office canteens and trainings centers, railways and defense establishments.

**INDION QUENCHER® AUTO**, a new innovation from Ion Exchange, is a fully-automated compact unit for purification and bottling of drinking water. It uses hygienically stored and disinfected recyclable glass bottles and is a great sustainable replacement for plastic.

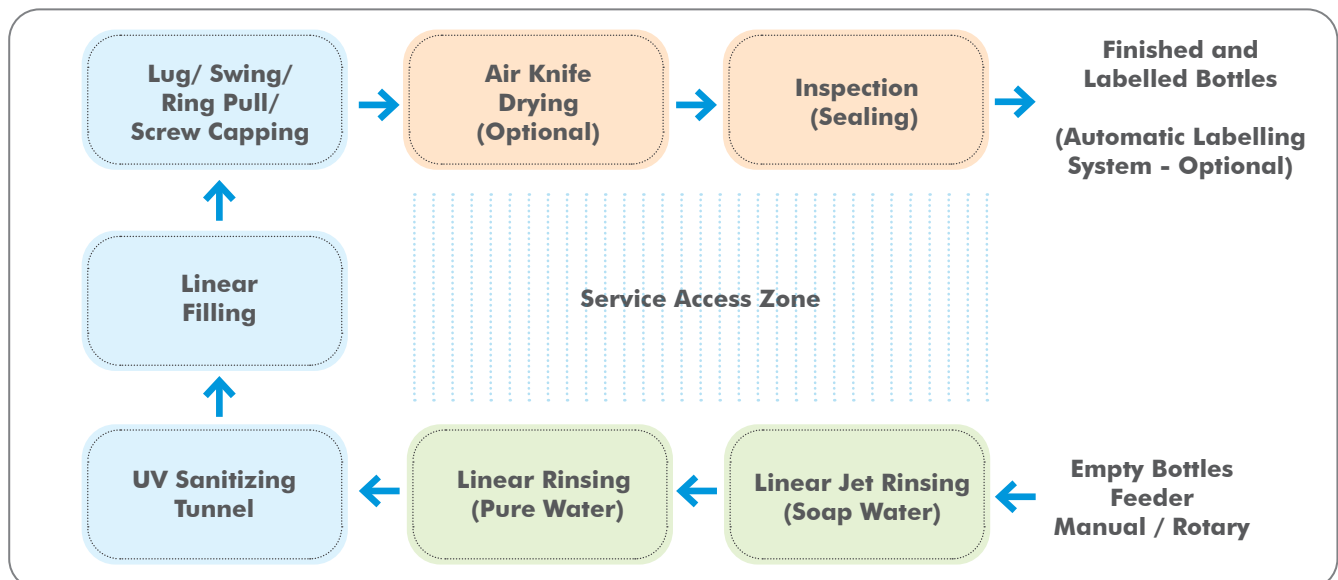
## Features of **INDION QUENCHER® AUTO**

- **INDION QUENCHER® AUTO** includes an easy to operate, fully-automated glass bottle washing and rinsing zone, followed by a calibrated water filling and capping zone. The processing zone comes with an SS sanitary finish to meet the hygiene levels of the plant
- In-house facility for bottling of drinking water using recyclable glass bottles
- The unit incorporates a UV air sanitizing tunnel to secure the bottling environment against air borne bacteria and fungi
- Accessories provided include gloves, hairnet box & Bactaslyde® quick test kit

## Water Purification System / Recycling



### Operation





**Cafeterias**



**Educational Institutes**



**Railways**

.....and many more!

## Advantages of **INDION QUENCHER<sup>®</sup> AUTO**

- The entire system is housed within a compact footprint:
  - Bottling plant: 3m (L) x 2.5m (W) x 2.7m (H)
  - Water purification / recycling system: 3m (L) x 1.2m (W) x 2m (H)
- Easy to install kiosk kit
- An in-situ silver ionization process that keeps the water processing loops sanitized 24x7
- Water purification process comprising of RO, mineralization and silver ionization ensuring highest purity standards
- Uses pure RO water for bottle rinsing and also recycles this precious rinse water for reuse thereby maximizing water savings
- Options for choosing bottle capping method
- User friendly access to interiors of the bottling kiosk for easy servicing
- 250 LPH/500 LPH High Recovery RO which recovers up to 50-80% of water
- Auto capping which ensures NO MANUAL INTERVENTION for capping the bottles

## Environment Sustainability

- Minimized water wastage - High recovery RO process and rinse water recycling saves 70-80% water as compared to conventional processes
- Does not need managing the remains of plastic bottles
- Chemical free CIP (Clean in Place) sanitizing process keeps the water loops sanitized and is eco-friendly

## General Specifications

|                          |  |
|--------------------------|--|
| <b>Operating Voltage</b> | 230 VAC, 50 Hz.  |
| <b>Power Consumption</b> | 0.8 kW/h (Typical for 250 BPH at 1000 ml/bottle) + 1.5 kW/h for rinsing and water purification system<br>1.5 kW/h (Typical for 500 BPH at 1000 ml/bottle) + 2.5 kW/h for rinsing and water purification system |
| <b>Water Consumption</b> | 1000 L/h (Typical for a 500 BPH operation at 1000 ml/bottle)   |

BPH - Bottles Per Hour

## Bottling Plant Specifications

|   |  |
|---|--|
| <b>Unit Size (Meter)</b>                              | 3m (L) x 2.5m (W) x 2.7m (H)   |
| <b>Type of Operation</b>                              | Fully Automatic  |
| <b>Capacity (BPH)<br/>(BPH - Bottle Per Hour)</b>     | 250 BPH at 1000 ml/bottle (screw cap bottle)<br>500 BPH at 1000 ml/bottle (screw cap bottle) |
| <b>Filling Volumes</b>                                | 100 - 1000 ml  |
| <b>Soap Water Rinsing Heads</b>                       | 2 Nos. (250 BPH) & 4 Nos. (500 BPH)  |
| <b>Power Water (Pure Water) Washing/Rinsing Heads</b> | 2 Nos. (250 BPH) & 4 Nos. (500 BPH)  |
| <b>Filling Heads</b>                                  | 2 Nos.   |

## Water Purification Specifications

|                                    |  |
|------------------------------------|--|
| <b>Purification Stages</b>         | Sediment filtration, Carbon filtration, Reverse Osmosis or Ultra filtration, ESS (Silver ionization) & Mineralization (optional) |
| <b>Hydraulic Loop Sanitization</b> | ESS based Silver Ionization  |
| <b>RO Water Recovery</b>           | 70-80%   |
| <b>Rinse Water Recovery</b>        | Up to 60-70%   |
| <b>Residual Protection</b>         | Silver Ionization  |
| <b>Overall Water Savings</b>       | Up to 70%  |

## Accessories

|  |  |
|--|--|
| <b>Hairnet, Dust Mask and Gloves Box</b> | As essentials for bottling hygiene               |
| <b>Bactaslyde® quick test kit</b>        | For quick microbial analysis of water potability |

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.

**INDION QUENCHER<sup>®</sup> AUTO** is the registered trademark of Ion Exchange (India) Ltd.



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Overseas - Bangladesh | Indonesia | Saudi Arabia | UAE

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