INDION QUENCHER™

An innovation that fulfils the pressing need to replace plastic with glass bottles. Easy to operate and environmentally sustainable.
A tailor-made innovation for the hospitality industry

Features

- INDION QUENCHER™ includes an easy to operate manual 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
- The unit serves as an in-house facility for bottling of drinking water using recyclable glass bottles and is a great replacement for plastic for the hospitality industry
- It also incorporates a zone specific air sanitizing facility to secure the bottling environment from air borne bacteria and fungi
- Accessories provided include gloves, hairnet box & Bactaslyde® quick test kit

Advantages

- The entire system is housed within a compact footprint of 1.45 m x 1.7 m x 1.8 m
- 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
- Greater hygiene control with sanitizer cabinet for intermediate bottle storage / movement
- Options for choosing bottle capping method
- User friendly access to interiors of the bottling kiosk for easy servicing

Environmental Sustainability

- Minimized water wastage - High recovery RO process and rinse water recycling saves 70% 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

INDION QUENCHER™ houses a water purification system that produces water meeting Indian and USEPA drinking water standards.
Bottle Sanitizer Cabinet

Features
- Ensures hygienic storage and UV disinfection of rinsed bottles
- Dual door batch operation ensures uninterrupted production
- Controlled UV exposure for complete disinfection of bottles
- Two way travel slider trays for ease of access to bottles
- Inbuilt safety against undesired UV exposure to operators
- Capacity to disinfect 60 bottles per batch

General Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Voltage</td>
<td>230 VAC, 50 Hz</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>1 KW (Typical for 150 BPH operation @ 500ml bottles)</td>
</tr>
<tr>
<td>Water Consumption</td>
<td>195 Litres (Typical for a 150 BPH operation @ 500ml bottles)</td>
</tr>
</tbody>
</table>

Bottling Plant Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit size (Meter)</td>
<td>1.45 m x 1.7 m x 1.8 m</td>
</tr>
<tr>
<td>Type of operation</td>
<td>Manual / Semi Automatic</td>
</tr>
<tr>
<td>Capacity (BPH)</td>
<td>150 max / 500ml bottles</td>
</tr>
<tr>
<td>Filling volumes</td>
<td>Adjustable 100 – 1000 ml</td>
</tr>
<tr>
<td>Brushing heads</td>
<td>2</td>
</tr>
<tr>
<td>Washing heads</td>
<td>6</td>
</tr>
<tr>
<td>Filling heads</td>
<td>2</td>
</tr>
<tr>
<td>Capping type</td>
<td>Lug cap / Ring pull cap – 1 point</td>
</tr>
</tbody>
</table>
Water Purification Specifications

<table>
<thead>
<tr>
<th>Purification Stages</th>
<th>Sediment Filtration, Activated Carbon Filtration, Reverse Osmosis, Mineralization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydraulic Loop Sanitization</td>
<td>ESS based silver ionization</td>
</tr>
<tr>
<td>RO Water Recovery</td>
<td>70 - 80%</td>
</tr>
<tr>
<td>Rinse Water Recovery</td>
<td>Upto 60 - 70%</td>
</tr>
<tr>
<td>Residual Protection</td>
<td>Silver ionization</td>
</tr>
<tr>
<td>Overall Water Savings</td>
<td>Upto 70%</td>
</tr>
<tr>
<td>Source Water Specification</td>
<td>TDS 1200 max Fe, Mn, Si, O&amp;G - Nil</td>
</tr>
</tbody>
</table>

Accessories

- **Hair net, Dust Mask and Gloves box**: As essentials for bottling hygiene
- **Bactaslyde® Quick test kit**: For quick microbial analysis of water potability
- **Bottle trolleys (optional)**: For transportation of bottles
- **Bottle disinfection cabinet**: For disinfection of rinsed bottles

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™** is the registered trademark of Ion Exchange (India) Ltd.

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