

INDION QUENCHER[®]
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.

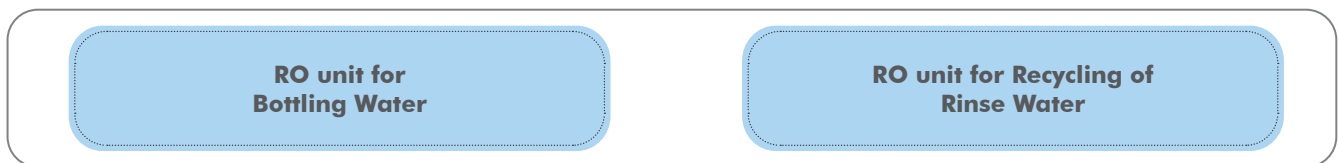
Our water and environment solutions extend far beyond industrial horizons, to provide safe drinking water and a clean environment to hotels, educational institutions, hospitals, office canteens and trainings centers, railways and defense establishments.

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.

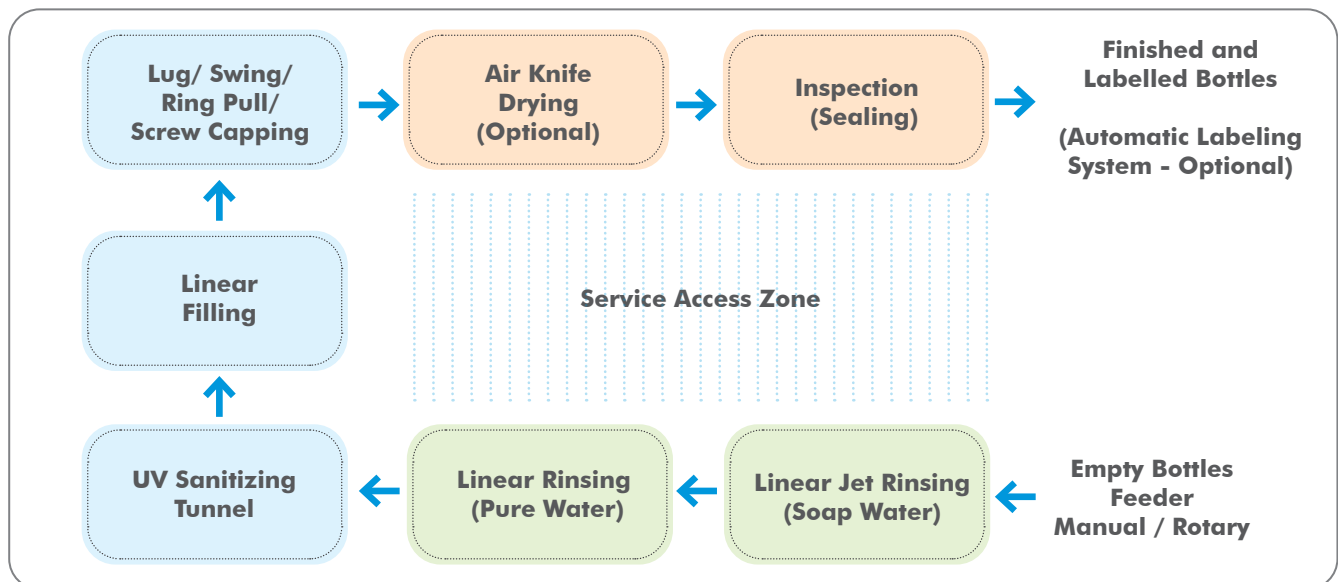
Features of **INDION QUENCHER® AUTO**

- **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[®]** **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

Operating Voltage	230 VAC, 50 Hz.
Power Consumption	0.6 kW/h (Typical for 250 BPH at 1000 ml/bottle) 1.2 kW/h (Typical for 500 BPH at 1000 ml/bottle)
Water Consumption	1000 L/h (Typical for a 500 BPH operation at 1000 ml/bottle)

BPH - Bottles Per Hour

Bottling Plant Specifications

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

Water Purification Specifications

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

Accessories

Hairnet, Dust Mask and Gloves Box	As essentials for bottling hygiene
Bactaslyde® quick test kit	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[®] AUTO is the registered trademark of Ion Exchange (India) Ltd.



ION EXCHANGE (INDIA) LTD.

Corporate Office

Ion House, Dr. E. Moses Road, Mahalaxmi,
Mumbai - 400011 | Tel: +91 22 6231 2000
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 6857 2400
E-mail: export.sales@ionexchange.co.in

Regional and Branch Offices

Bengaluru | Bhubaneswar | Chandigarh | Chennai
Delhi | Hyderabad | Kolkata | Lucknow | Vadodara
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Overseas Offices

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