

INDION QUENCHER[®]



A tailor-made innovation for Industries & Institutions



Cafeterias



Hotels



Railways

With a legacy spanning over 60 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®, an innovation from Ion Exchange, is a compact unit for purification and bottling of drinking water. It uses hygienically stored and disinfected reusable glass bottles and is a great sustainable replacement for plastic.

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 reusable 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 foot print 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



Can be Customized or Retrofitted with Advanced Power Rinsing Features!

- **360° inside-out high pressure water jet cleaning** for better efficiency and thorough cleaning, thereby eliminating manual brushing in the existing model
- **Enhanced Operational Safety** with minimal human intervention
- **Increased output** per loading (from 2 to 6 bottles)
- **Integration: Retrofitted seamlessly into the existing Semi-Quencher unit**
- **Reduced Operational Cost & Improved Operational Quality**



IT Parks



Hospitals



Commercial Offices



Educational Institutes

Bottle Sanitizer Cabinet

- 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



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

General Specifications

Operating Voltage	230 VAC, 50 Hz
Power Consumption	1 KW (Typical for 150 BPH operation @ 500ml bottles)
Water Consumption	195 Litres (Typical for a 150 BPH operation @ 500ml bottles)

Bottling Plant Specifications

Unit Size (Meter)	1.45 m x 1.7 m x 1.8 m
Type of Operation	Manual / Semi Automatic
Capacity (BPH)	150 max / 500ml bottles
Filling Volumes	Adjustable 100 – 1000 ml
Washing Heads	6
Filling Heads	2
Capping Type	Lug cap / Ring pull cap – 1 point

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

Water Purification Specifications

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

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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