

HYDREX ASIA LIMITED

MINERAL WATER TREATMENT



Business Nature:

- Design and Supply of Water and Wastewater Treatment Plants
- Project Management and Construction of Water and Wastewater Treatment Plants

Main Products:

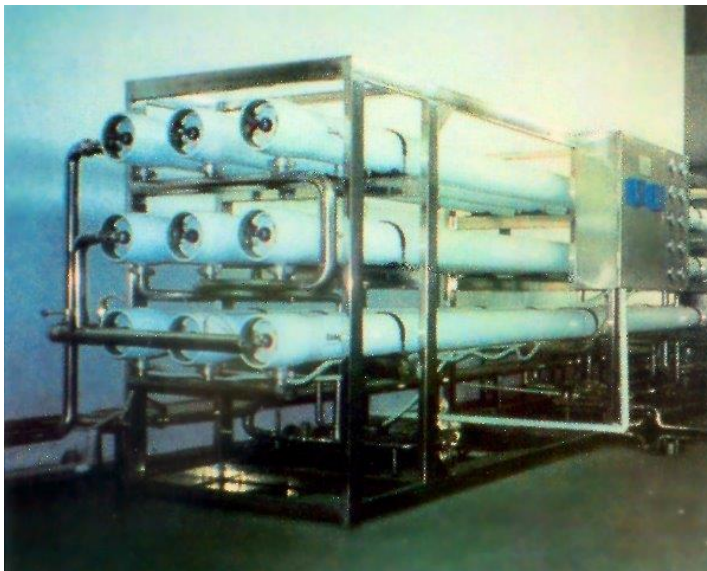
- Design and Supply of a Complete Range of Water Treatment Systems
- Design and Supply of a Complete Range of Sewage and Wastewater Treatment Systems
- Design and Supply of Wastewater Recovery and Recycle Systems
- Supply of Anaerobic Systems for High Strength Industrial Wastewaters
- Supply of Advanced Wastewater Treatment Systems for Nitrogen and Phosphorous removal

A single source water and wastewater treatment company with total capability to design, supply and construct water and effluent treatment facilities.

Reverse Osmosis (RO)

Principle:

The principle of Reverse osmosis is using high pressure differential across a permeable substance. The purification works by high pressure forcing a pre-treated solution through a permeable membrane in order to separate inorganic salt, organic and bacteria from water. RO frequently works together with ion exchanger to obtain ultra pure water.



Application:

- Electronics manufacturing
- Pharmaceutical industry
- Cosmetics Industry
- Seawater desalination
- Drinking water purification
- Distilled Water pre-treatment
- Boiler feedwater treatment

Continuous Electro-Deionization (CEDI) System

Principle:

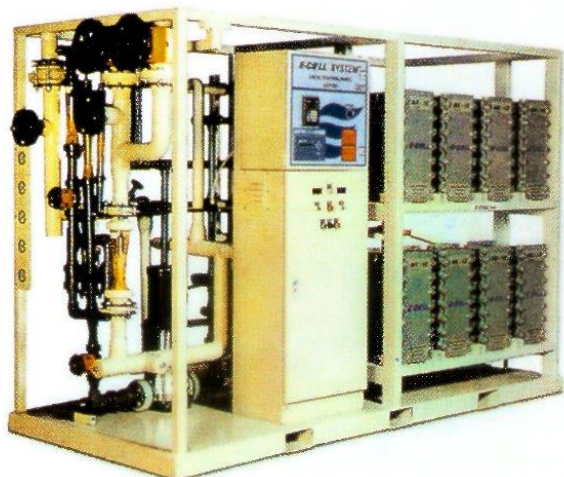
CEDI system use ion exchange membranes, ion exchange resins and automation to produce high-purity water continuously. It uses electrostatic and ion exchange principle to obtain ultra pure water in a stable manner. When combine with Reverse Osmosis (RO) pre-treatment, it produces 18 megohm-cm (25 deg C) quality water.

Feature:

- Continuous operation
- Reliable and stable production
- No chemical regeneration required.
- Lower operating cost
- No wastewater generation

Application:

- Electronics manufacturing
- Semiconductor industry
- Pharmaceutical industry



Sanitary Grade Process Tanks



Feature:

- All stainless steel construction;
- Sanitary Grade design;
- Polished internal surfaces without dead corner;
- Storage tank shall complete with cleaning and drain connections, breathing air filter, manhole and mixing device.

Application:

- Mineral Water
- Distilled Water
- Food & Beverages Industry and
- Pharmaceutical industry

Ultraviolet Sterilizer

Principle:

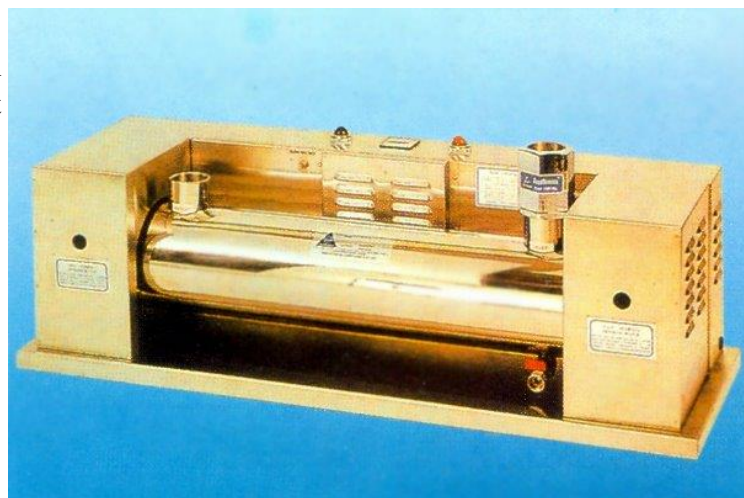
To kill micro-organism and virus in water by high ultra violet light dosage.

Feature:

- All stainless steel construction;
- Sanitary Grade design;

Application:

- Food & Beverages Industry and
- Pharmaceutical industry



Ozonation System

Application:

- Disinfection of swimming pools water.
- Disinfection of potable Water and mineral water
- Reduction of wastewater odour and colour.

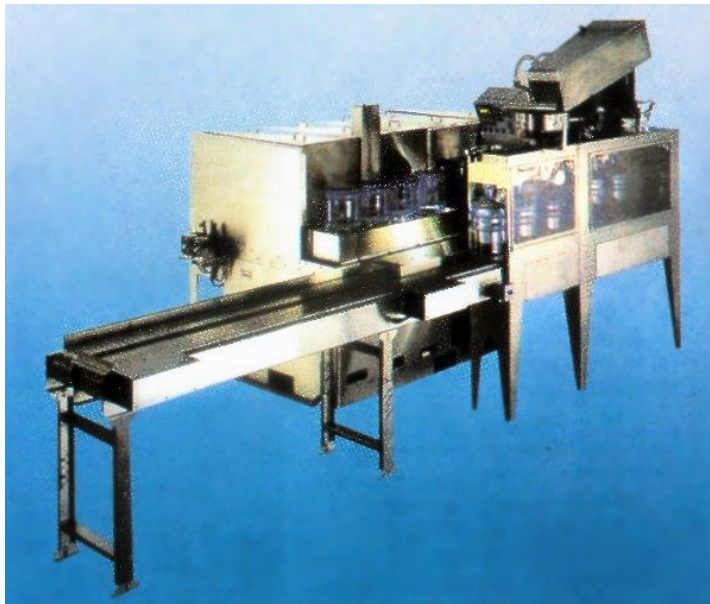


Feature:

- Ozone is a strong oxidizing agent and disinfectant for water treatment. It only requires short contact time and low dosage for effective disinfection and does not produce persistent residues in the water and no secondary pollution
- Ozonation has the best disinfection capabilities in water within pH range 5.6 ~ 9.8 and temperature within 0 - 37°C.
- The raw material for ozone generation is air or oxygen. Ozone is produced quietly under high electrical voltages discharge.
- Ozone contact systems use advanced packing tower or dynamic mixer or a combination of both to obtain the best performance.

Fully automatic large bottle filling machine

Performance: 75 ~ 3,200 bottles/ hour



Feature:

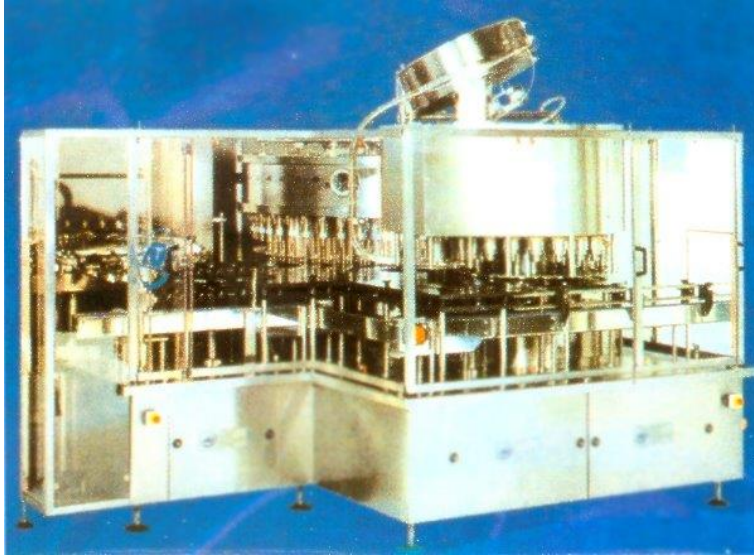
- Microprocessor control.
- All stainless steel construction;
- Integrated design:
washing+filling+capping
- Compact arrangement and attractive appearance.
- Easy operation/ maintenance and superb performance
- Good for 5 or 3 gallon bottles.

Application:

- Purified water
- Mineral water
- Beverages industry

Fully automatic small bottle filling machine

Production: 1,000 ~ 69,000 Bottle/Hour



Feature:

- Microprocessor control.
- All stainless steel construction;
- Integrated design: washing+filling+capping
- Compact arrangement and good craftsmanship.
- Excellent performance
- Sturdy and durable.
- Easy operation and Simple Maintenance

Application:

- Purified water
- Mineral water
- Beverages industry

FOR FURTHER INFORMATION

A full range of water and wastewater treatment systems and equipment are available from Hydrex. For further information, please contact us or our authorized agent.

Authorized Agent:

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