

Z-BOX H

Packaged Water Purification Systems

Application

Pre-engineered and packaged water filtration systems for potable water supply

Capacity

20,000 gpd (75 m³/d) per skid
(up to 60,000 gpd (227 m³/d) for three skids)

Applying the same membrane technology used by large-scale water treatment plants, the Z-BOX H packaged water filtration system continuously provides safe, high quality potable water by physically removing pathogens, particulates and impurities from virtually any water source. These systems can also consistently produce a low turbidity permeate with an SDI < 3 providing superior protection to downstream reverse osmosis (RO) systems. Z-BOX H is a self-cleaning, efficient and easy to maintain system in a compact, skid-mounted configuration.

The Z-BOX H system easily connects to existing plumbing, providing superior filtration and primary disinfection for residential communities, industrial or commercial properties, marine applications, and emergency relief. Single units can be grouped together to meet increased water demands, or even integrated with other technologies to create portable or permanent treatment systems.



Features & Benefits

- Completely pre-engineered and skid mounted system allows for ultra quick delivery and set-up
- Effectively blocks and removes particles, bacteria, viruses and cysts from water supplies
- Utilizes the same membrane technology as large-scale water filtration plants
- Effectively treats ground, surface or cistern water sources at the point-of-entry
- Simple PLC-controlled operation results in cost-effective operation and maintenance
- Easy-to-install system reduces capital costs
- Automated backwash cleaning
- Product performance validated by independent testing
- Compact footprint (47 in x 42 in x 66 in) (119 cm x 107 cm x 168 cm)
- Modular, easily expandable design
- Cost-effective for virtually all water treatment applications

Optional Features

- UV disinfection
- Feed and distribution pumps
- Chlorination
- Pre-filtration
- Flowmeter and/or totalizer
- Turbidimeter
- Membrane integrity kit



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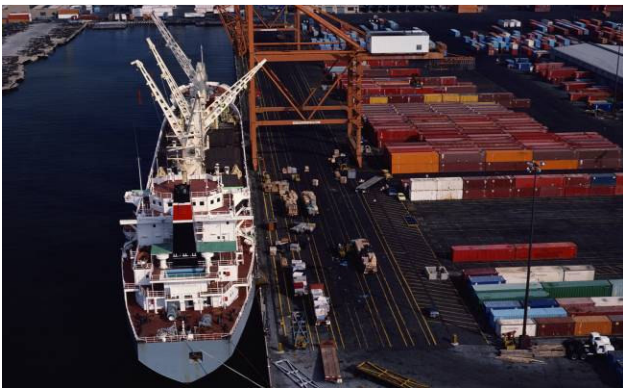
Off-grid Communities & Remote Buildings



With Z-BOX H, property developers can pursue off-grid development opportunities without having to connect to the municipal water system by producing high quality drinking water onsite from virtually any water source. Applications include:

- Cluster homes;
- Prisons;
- Commercial developments;
- Industry and industrial parks;
- First Nations.

Commercial & Industrial Applications



In times when water supply is unavailable or when additional capacity is required, Z-BOX H is a reliable solution in minimizing downtime. These light-weight systems can be up and running within hours and are ideal for:

- Marine/naval bunker water;
- Mobile temporary systems;
- Mining camps;
- Military deployments;
- Industrial process water.

Emergency Relief & Developing Regions



Z-BOX H water filtration systems consistently produce pathogen-free water that exceeds government drinking water regulations, regardless of the feedwater source. Having minimal parts, these systems are easily installed and are highly automated for simple operation providing crystal clear water for:

- UN missions;
- Non-government Organizations (NGO) operations;
- Disaster relief.