

Z-BOX H

Packaged Water Purification Systems

Application

Pre-engineered, packaged water purification systems for potable water supply

Key Benefits

- Compact system for the treatment of the toughest waters
- Easy to install with only three tie points
- Simple to operate
- Fully skid-mounted; reduces onsite installation time and costs
- Easily integrated into an existing facility

Standard Features

- Carbon steel epoxy painted equipment frame
- Automatically flushes impurities each day
- Control panel with PLC mounted on equipment frame
- PLC voltage 120 V, 1 phase, 60 Hz (other voltages available)
- Homespring reinforced ultrafiltration membranes



Application Dependent Options

Feedwater and/or treated water turbidimeter	Turbidity monitoring
Feedwater pretreatment	25 micron filter
Membrane Integrity Test (MIT)	Measuring membrane integrity
UV system	Disinfection system
Permeate distribution pump	Depending on discharge location
Chlorination system	Disinfection system
Shelf spares	Shelf spares for major equipment components

Z-BOX H System Configurations

Z-BOX Model	Flow (gpd)	Tie Point Connection Lines			Dimensions			Operating Weight
		Feed Water	Drain	Permeate	L	W	H	
H4	20,000	2 in (5 cm)	2 in (5 cm)	2 in (5 cm)	47 in (119 cm)	42 in (107 cm)	66 in (168 cm)	704 lb (319 kg)
H8	40,000	2 in (5 cm)	2 in (5 cm)	2 in (5 cm)	130 in (330 cm)	42 in (107 cm)	66 in (168 cm)	1,408 lb (639 kg)
H12	60,000	2 in (5 cm)	2 in (5 cm)	2 in (5 cm)	213 in (541 cm)	42 in (107 cm)	66 in (168 cm)	2,112 lb (958 kg)

All systems require 40 to 100 psi (2.7 – 6.7 bar) inlet pressure.



ZENON Membrane Solutions
Oakville, Ontario, Canada
+1-905-465-3030
www.gewater.com

Global Headquarters
Trevose, PA
+1-215-355-3300

Americas
Watertown, MA
+1-617-926-2500

Europe/Middle East/Africa
Heverlee, Belgium
+32-16-40-20-00

Asia/Pacific
Shanghai, China
+86 (0) 411-8366-6489

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