

SeaTECH Series

SeaTECH-MMF-84x3V Container; Use with SeaTECH-84 SWRO

This specification defines the integrated design requirements for the SeaTECH-MMF line of containerized units for the Industrial, Power and Municipal markets. Optional configurations are available based on application requirements.

Functional Description

Single pass, three vertical pressure filters total. Each pressure vessel contains anthracite and sand media. System produces 3,000m³/day (125m³/hr, 550gpm) of filtrate.

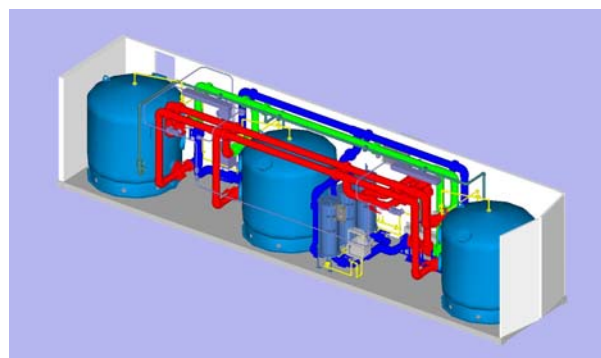
Operating Parameters

- Water temperature.....4-99F (1-37°C)
- Feed Pressure..... 70-100 psig (4.8-6.9barg)
- Product Flow550gpm
- Max Feed Turbidity..... < 10 NTU
- Feed Loading Rate 3-7 gpm/ft²
- BW Loading Rate 12-15 gpm/ft²
- Cartridge Filter Loading Rate..... 2.5 gpm/TIE

Note: Required 4.8 bar (70 psi) minimum customer constant pressure to filter inlet. Temperatures will impact BW loading rates. Exceeding the feed turbidity/TSS limit will shorten run times.

Standard Components

- Container designed for oversea transportation
- Three 84-inch (213 cm) diameter pressure vessels, rated at 100psig (6.9barg)
- Three 22-round cartridge filter housings, rated at 150psig
- Manual butterfly valves for control of service/backwash sequences
- **Option:** Air scour feature available with Chem-Aire ABS piping



Instrumentation

Flow Meter	Backwash waste outlet
Pressure	Main MMF feed, MMF outlet, and cartridge filter outlet on gauge panel; local indication at each MMF inlet

Materials of Construction

Media Filter Vessels	Neoprene lined carbon steel, 100 psig rated
Cartridge Filter Vessels	FRP, 150 psig rated
Piping	PVC, Schedule 80
Ball Valves	PVC with EPDM seats
Butterfly Valves	Nylon-11 coated ductile iron discs with EPDM seats

Physical Data

- Dimensions: 480" L x 96" W x 96" H (12,192 mm L x 2438 mm W x 2438 mm H)
- Weight: 34,500lbs (15,650 kg) dry



Find a contact near you by visiting www.ge.com/water and clicking on "Contact Us".
 * Trademark of General Electric Company; may be registered in one or more countries.
 ©2009, General Electric Company. All rights reserved.