

Transportable, Factory-built Potable Water Treatment System

The “BLUE 40” Potable Water Treatment System combines a membrane based potable water treatment system with raw water and treated water storage tanks into a stand-alone package.

The unit capacity is designed to service remote accommodation units up to 120 person occupancy (60 person surge capacity).



Potable Water Treatment and Storage System:

- Raw water storage tanks (combined 12,000 liter capacity)
- General Electric membrane based filtration system – NSF 42 and 53 certified c/w 99.999% contaminant removal
- Treated water storage tanks / surge tanks (combined 12,000 liter capacity)
- Intrinsically safe UV disinfection system
- UV intensity sensor and solenoid shut-down if UV - bulbs fail or power to UV disinfection system is interrupted.
- Residual Disinfection – dual pump chlorination system c/w automatic safety shutdown
- Pressurized potable water connection to accommodation units or transfer pumps to deliver treated water to independently pressurized potable water storage tanks in accommodation units

Advantages:

- The use of a storage tank system ahead of the treatment process allows collecting raw water from a slow flowing well or a low capacity water delivery pump from a remote water body – the storage tank accumulates raw water for constant treatment. It also acts as a mechanical barrier to filter out coarse contaminants.
- The treated water storage tank / surge tank holds the treated water before delivery; at all times a minimum of 12,000 liters of treated, potable water are available --- allowing for a minimum 12 hour (one surge cycle) response time to service, repair or replace any malfunctioning water treatment equipment.
- The system is designed for remote location operation – housed in a heated, robust 40’ long shipping container.

This unit is ideally suited for such installations as:



- **Temporary work camp installations for oilfield, mining, exploration and remote research projects**
- **Remote tourism developments**
- **Temporary construction sites, spill clean-up sites, short term environmental remediation sites**
- **Site supervision office for construction camps or (winter) road construction**
- **Fire fighting camps or disaster relief camps**

LEASING CONTACT:

DESIGN, MANUFACTURING, LEASING & SALES:

Architectural & Community Planning Inc.

261 Albany Street
Winnipeg, Manitoba, Canada
R3J 2A9
Ph: 204 831-0216
E-mail: Staschik@mts.net

