



Engineered Filtration, Inc.



Potable Water System

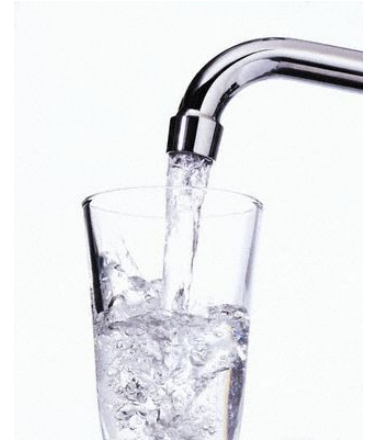
Potable Water System capable of supplying potable drinking water at mine base camp sites. Engineered Filtration has developed a self contained portable water system guaranteed to supply 11 Liters per minute of clean, safe drinking water.

TYPICAL SITE CONDITIONS

Base camp elevation: 4,500 m
Usage: 200 – 20L bottles per month
Staff: 500 men

SYSTEM BENEFITS

Constant supply of clean safe drinking water
Reduction of plastic bottle waste material at site
Reduce freight costs for transporting water to site
Disinfection and 5 stage water filtration



SYSTEM CONSTRUCTION

- (1) EFI Model #PDW-3, Potable Drinking Water System
- ✓ Skid mount system, completely pre-piped and prewired
 - ✓ Chlorine disinfection system to inject chlorine into EXISTING well storage tank
 - ✓ Pump suction strainer, 316 stainless steel
 - ✓ System pump, 316 stainless steel
 - ✓ Five level filtration, 304 stainless steel filter housings, 30" length
 - ✓ **First stage** sediment filter 30" length with 10 micron cartridge
 - ✓ **Second stage** carbon block filter, 30: length, to remove chlorine and organic chemicals, 5 micron
 - ✓ **Third stage** sediment filter, 1micron high efficiency polypro depth cartridge
 - ✓ **Fourth stage** 99.9% efficient glass media membrane protection filter, 0.45 micron
 - ✓ **Fifth stage** ABSOLUTE rated polyethersulfone membrane rated at 0.22 micron
 - ✓ Hydro pneumatic storage tank, 75 L capacity with pressure gauge and pressure switch
 - ✓ Motor starter control for system pump, controlled by storage tank pressure
 - ✓ Outlet valve

Safety Tek, Inc.

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Price: \$19,000 USD

Delivery: 4-6 weeks after order

Exworks our dock Manchester, Connecticut – USA

Pricing valid: 60 days

Terms: 25% down with order, 75% at time of shipment

Warrantee: 1 year

NOTES & COMMENTS

1. This system will require electrical power for the pump motor, please advise voltage available.
2. The above proposal includes spare, replacement filter cartridges for the site.
3. The system will require freeze protection if the temperature will be lower than 0°C
4. System will remove the following known water contaminants;
 - a. Giardia Lambila
 - b. Cryptosporidium Pavum
 - c. Bacteria (E. coli & Salmonella)
 - d. Viruses (killed by disinfection system)

**This system can be customized to the specific customer's needs,
flow rate requirements, power requirements.**

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