Mobile Water Packaging System (MWPS)

Lightweight simple reliable safe delivery of potable water in quick-fill nonrefillable multi-liter sized pouches and CamelBak® bags

Ready for Expeditionary Military Deployment



Proven Packaging System

- → Packaging up to 125 GPH (480 1-liter bags/hour)
- → Flexifill Commercial/Industrial Bagging System
- → Rugged 1000 mile Rough Road Test

Stand alone System

- → Included Supply Pump, Compressor & 2/5 kW MEP 120 VAC generator
- → Connect to any potable water source with onboard UV Sterilization & 0.35 micron Filtration.

Forward Mobility

- → Air & Container transportable
- → Standard Rugged Flat Trailer transport
- → Multiple (4) layers of protection from windblown dust and bacterial contamination

Reliable Water Pouch Design

- → Individual re-sealable water in disposal pouches
- → Meets FDA CFR 21 -129 & 165 bacteriological standards
- → Bag design exceeds 45 day shelf-life standards
- → Sizes: 5,10,15 & 20 Liter pouches plus 3 Liter Hydration Packs
- → Date and lot labels printed on each bag

Efficient

- → No specialized operator skills, easy to set-up & use
- → Only 0.84 kW Power Required; 5.9A at 120 VAC operating demand
- → Easy DrinkTM spout saves water, similar to a bottled water cap

Easy to operate and maintain

- → Built-in daily system sanitization without chemicals
- → Maintenance cost less than \$1/Hr



Engineered Solutions LLC

2740 South Highway 1651 Stearns, KY 42647-6209 606-376-5021 www.outdoorventure.com

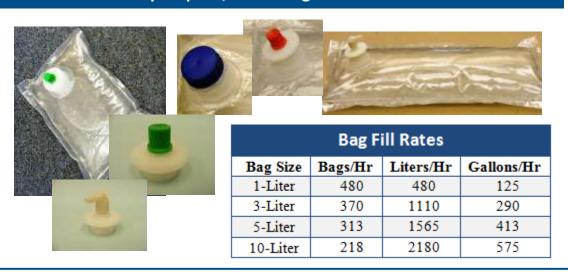
Technical Features

Specification	Performance
Bag Fill rate	500 to 540 1-liter bags/hr demonstrated. Up to 125 GPH
Bagged Water Quality	Zero Coliform tested (TB-MED 577). USAPHC evaluated
Bagged Water Stability	Zero Coliform, no taste or odor. Successfully tested 45 days at 120° F in direct sunlight.
Bag durability	6 psi & 10' drop demonstrated
Bag holder capacity	150# holding, 60 1-liter bags, 20 3-liter bags
Power requirement	0.84 kW normal measured; 2kW genset for operation
Weight/Trailer	<4500# gross, <460# tongue, CG stability verified
Transport	1000 miles rugged road tested. Helicopter and sling transport. Drop tested successfully
Environmental	Sand/blowing rain tested in temperature extremes
Safety	Safety assessment and human factors tested.



Operator Controls

Multiple spout/size configurations available



Support Services

- Integration with purification and water quality testing systems
- On-site Training for both operation and field maintenance
- Spares and Provisioning including all consumables
- On-call technical support with T&M for field support

