

# Mobile Water Packaging System (MWPS)

*Lightweight simple reliable safe delivery of potable water in quick-fill non-refillable 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 Drink™ 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

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## Technical Features

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



Operator Controls

### Multiple spout/size configurations available



| Bag Fill Rates |         |           |            |
|----------------|---------|-----------|------------|
| Bag Size       | Bags/Hr | Liters/Hr | Gallons/Hr |
| 1-Liter        | 480     | 480       | 125        |
| 3-Liter        | 370     | 1110      | 290        |
| 5-Liter        | 313     | 1565      | 413        |
| 10-Liter       | 218     | 2180      | 575        |

## 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



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