



International Water Company, LLC  
150 Farm Lane  
York, PA 17402  
United States of America

info@wateriwc.com  
717.650.6460 Plant phone  
717.793.3965 Plant fax  
www.wateriwc.com

## Mobile Water Purification System (MWPS)

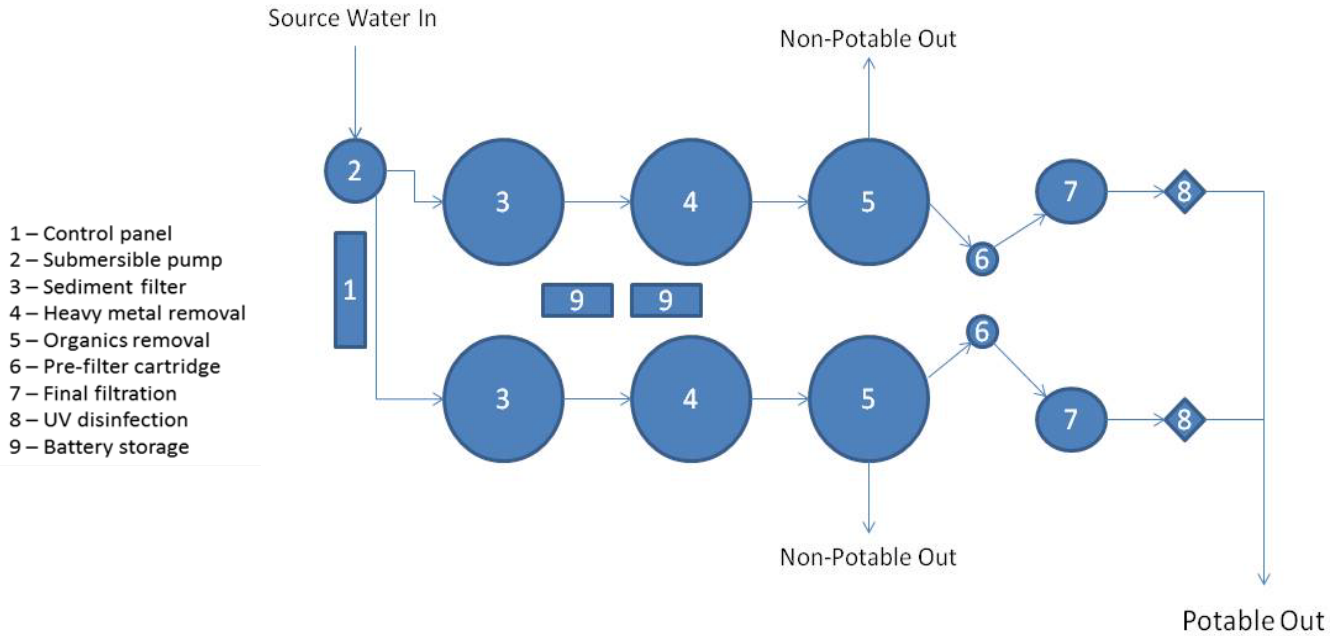
- Operates on solar, wind, gravity feed, generator, or AC line power
- Set-up in 3 hours or less
- Can produce up to 85,800 liters (22,700 gal) per day with continuous power (water quality dependent)
- Can produce up to 38,000 liters (10,000 gal) with 8 hours of sunlight (water quality dependent)
- Can produce potable and utility (drip irrigation, laundry, etc.) water simultaneously
- Potable water cost as low as \$0.0012/liter (\$0.005/gallon)
- Removes arsenic III/IV, lead, mercury, chromium III/VI
- UV final stage disinfection effective against bacteria, viruses, and protozoa including cholera, E. coli, giardia, legionella, leptospirosis, smallpox, typhus, and cryptosporidium
- Potable output meets or exceeds basic EPA and WHO international potable water standards



- No expensive filter cartridges to replace. Operation requires no fuel, chemicals, or frequent filter cartridge replacement
- No hydraulics to malfunction
- Manual backwashing
- Electric dosing pump supplies chlorination if desired
- Duty cycle: 2-6 years (source water quality dependent)
- Color-coded component identification and operational controls
- On-site training program available
- On-site set-up assistance available
- Dry weight: ~2045 kg (~4500lbs.)
- Stowed system footprint: 2.4m x 1.2m x 2.2m (8' x 4' x 7.25') (exclusive of trailer)
- Ideal 'leave behind' unit for rebuilding environments with no existing infrastructure



## Two independent, parallel MWPS process streams permit continuous operation



2 Hours

1 Day

1 Week

Product Comparison	IWC MWPS	Mobile MaxPure	RedBird	Hydropur
Daily Output-Potable (gpd)	22,700	30,000	30,000	3,200
Dry Weight-Deployed (lbs.)	4,500	8,000	14,600	440
Chemical Requirements	None	None	Salt	Cl/Alum
Disposable Filter Requirement	None	Yes	None	None
Fuel Requirements	None	None	None	None
Solar Power Capability	Yes	Yes	Yes	Yes
Wind Power Capability	Yes	No	No	Yes
Gravity Feed Capability	Yes	No	No	Yes
Generator Compatible	Yes	Yes	Yes	Yes
AC/DC Power Compatible	Yes	Yes	Some	Yes
Battery Storage Capability	Yes	Yes	Yes	No
Charging Capability for Ancillaries	Yes	Yes	Yes	Yes
Back-Washable Filters and Media	Yes	No	Yes	Yes
Heavy Metals Removal	Yes	No	Add-on	No
Inline Injection Pumping	Yes	No	No	No
Built-In Redundancy	Yes	No	No	No

- Extended operation demonstrated above 100° F and down to 30° F (lower temperature operation maintained with constant water flow)
- Standard UV disinfection allows for treatment without chemicals
- Electric dosing pump can supply chlorination for system storage after shutdown or for protection of stored potable water production
- Modular system design offers configuration options to meet different needs