

Potable Water Anywhere. No Infrastructure Required.

PRODUCT DETAILS

| | |
|-----------------------|--|
| Production / day | 120 Gallons |
| Production / hour | 5 Gallons |
| Power Consumption | 175 watts (120v ac) |
| Dimensions | 8 x 8.5 x 20 in |
| Feed water parameters | Salt, fresh, or brackish |
| Weight | 25 Pounds (11.4 Kg) |
| Pre-filter | Carbon and 5 micron combination filter |
| Controls | Analog |
| Temperature range | Max 120° F / Min 36° F |
| Shipping weight | 26 Pounds |
| Shipping Dimensions | 16 x 16 x 25.5 in |



FACTS

- Minimal electronics
- Simple analog controls for ease of use
- Installation and set up take as little as 10 minutes
- Simple to service
- Low wattage ensures the system can be run on a 200 watt solar panel



Made in the U.S.A. 



FACT SHEET

Potable Water Anywhere. No Infrastructure Required.

TECHNICAL SPECIFICATIONS

Filtration Process

- Multi-stage prefiltration (sediment and select chemicals)
- High-rejection RO membrane (2514 form factor)
- Field-serviceable components

Operating Pressure

- Up to ~800 PSI (application dependent)

Power Options

- 120V AC (wall power or generator)
- Solar + battery systems (via inverter or DC architecture)

Deployment

- Single-person deployable
- Setup time: <10 minute

WHY ZS-5

- Eliminates bottled water logistics
- Dramatically lowers cost per gallon over mission life
- Deploys in minutes—not days
- Designed specifically for austere, high-risk environments
- Simple maintenance using globally available components
- Modular design allows parallel scaling (multiple units)
- Eliminates bottled water logistics
- Dramatically lowers cost per gallon over mission life
- Deploys in minutes—not days
- Designed specifically for austere, high-risk environments
- Simple maintenance using globally available components

OPERATIONAL ADVANTAGES

- No chemical treatment dependency
- Operates on variable power sources
- Minimal operator training required
- Rapid field maintenance with basic tools
- Suitable for hot, humid, and coastal environments

PRIMARY USE CASES

- Disaster relief & humanitarian response
- Emergency management agencies
- Remote & island communities
- Military, tactical & expeditionary operations
- Marine, coastal & offshore use





Made in the U.S.A.



Testing Results

ZS-5 - PLUG AND PLAY WATERMAKER

Below is our independent test results using water found in the intercoastal at high tide.

| <u>Contaminate</u> | <u>Feed Water</u> | <u>RO Permeate</u> |
|--------------------------------------|------------------------|----------------------|
| Arsenic | 0.0036 mg/L | Undetected |
| Barium | 0.01 mg/L | Undetected |
| Magnesium | 1300 mg/L | 0.81 mg/L |
| Calcium | 400 mg/L | 0.29 mg/L |
| Potassium | 640 mg/L | 4.2 mg/L |
| Sodium | 11000 mg/L | 87 mg/L |
| Total Hardness (as CaCO3) | 6100 mg/L | 4.1 mg/L |
| Heterotrophic Plate Count | 71.0 MPN/1mL | 28.0 MPN/1mL |
| Coliform Total | 183 #/100mL | Undetected |
| Sulfate | 2700 mg/L | 2.4 mg/L |
| Conductivity | 40000 umhos/cm @ 25° C | 500 umhos/cm @ 25° C |
| Total Dissolved Solids | 34000 mg/L | 220 mg/L |