

Mobile Water Treatment System Datasheet



Ruggedized and ready to travel, our fully automatic mobile treatment systems can be used anywhere. Systems come fully inclusive with process pump, backwash pump, prefiltration, secondary polishing, reverse osmosis and disinfection. Two standard designs – 3,000 & 15,000 gallons per day with full PLC control and remote login capabilities. We also offer a Military (-M) option which is packaged in a Bi-Con (10') container for ease of transport. External water and power connections on all units make setup quick. Custom manual and automatic designs available by request.

Physical Characteristics & Product Numbers	
System Size	16' Tow-behind Trailer or 10' Bi-Con
System Weight	4,500-5,500 pounds dry
Filtration Process	Pre-filters (100 & 5 micron) to MF/UF with RO Polishing and chemical injection; fully mechanical filtration
MWTS3K – 3,000 GPD Nominal System (1-3 GPM) MWTS15K – 15,000 GPD Nominal System (10-25 GPM) M Option (add -M to product number) – changes trailer to Bi-Con and upgrades system components to meet military expeditionary challenges; max temp increases to 55°C	
Electrical	
Voltage / Frequency / Type	480 VAC, 60 Hz, 3 Phase Or 208-240 VAC, 60 Hz, 3 Phase Single Phase and European (50 Hz) Power available on request
Breaker Size	20 to 50 Amps, 3 Ø
Water Characteristics	
Influent Water	Ground Water / Gray Water / Brackish Water
Influent Temperature	110 (max) °F
System Interconnections	
Influent, Drain and Recirculation Connection	1" or 1-1/2" Cam-Lok Connector
Electrical Connection	Twist-lock Plug
System Performance	
Recovery Rate – In vs. Out	80% (Typical)
Energy Consumption	10 watt-hours/gallon (typical)