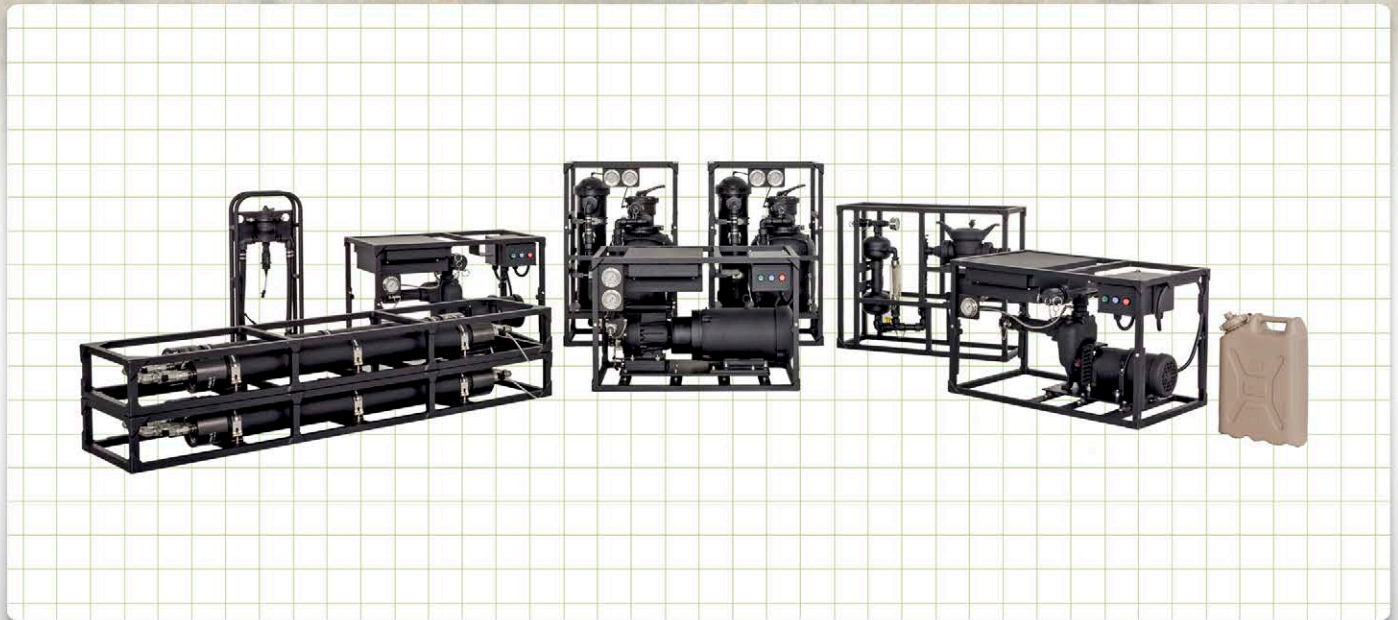


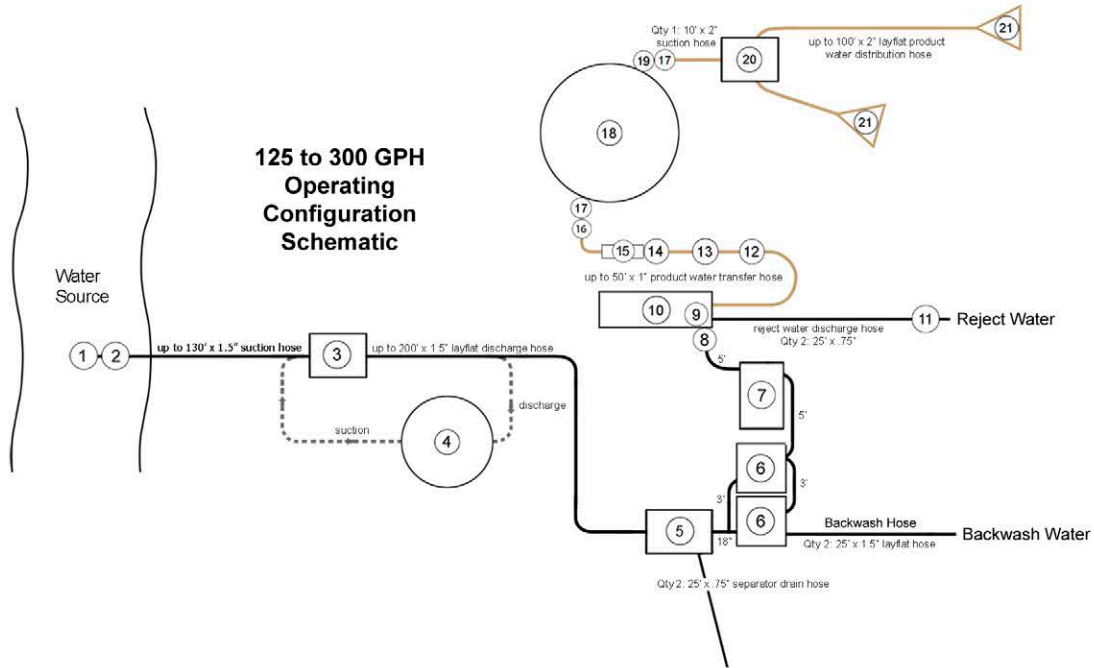
# E-LWPS

**ELECTRIC LIGHTWEIGHT WATER PURIFICATION SYSTEM**

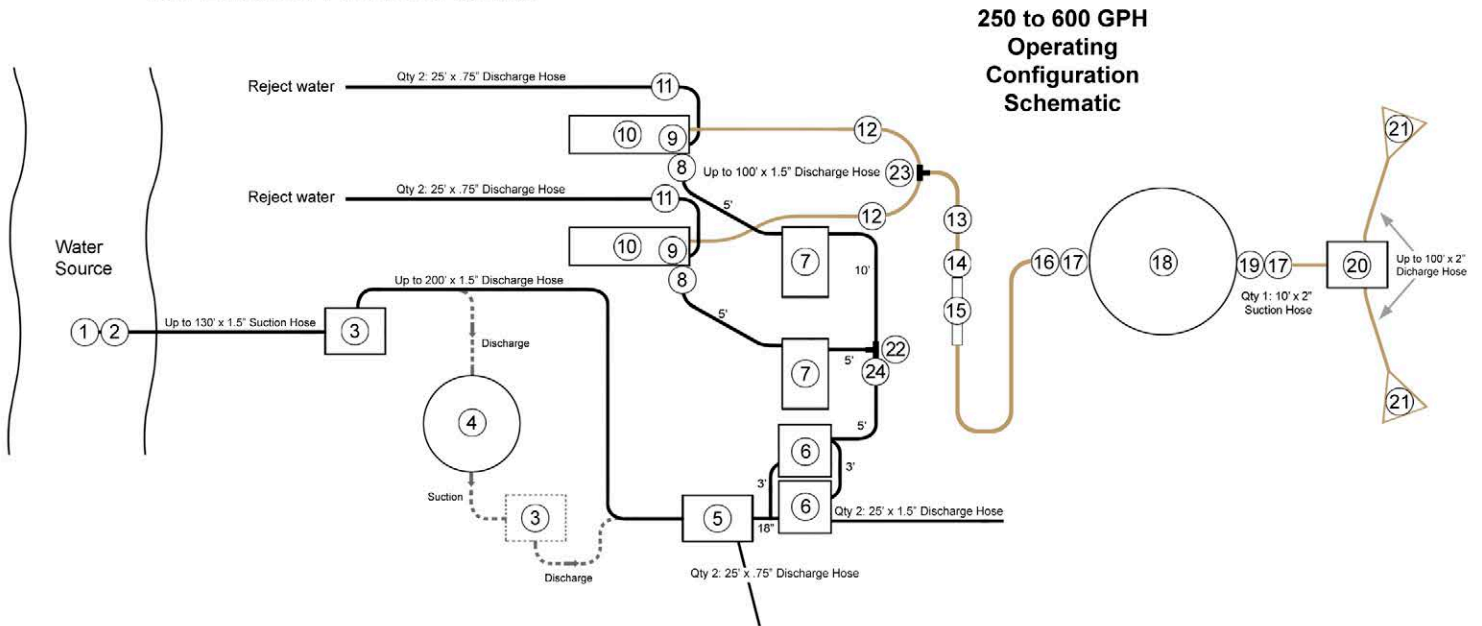
*Scalable, Modular Design  
Quiet and Powerful  
Reverse Osmosis Water Purification*



## Lightweight Water Purification System



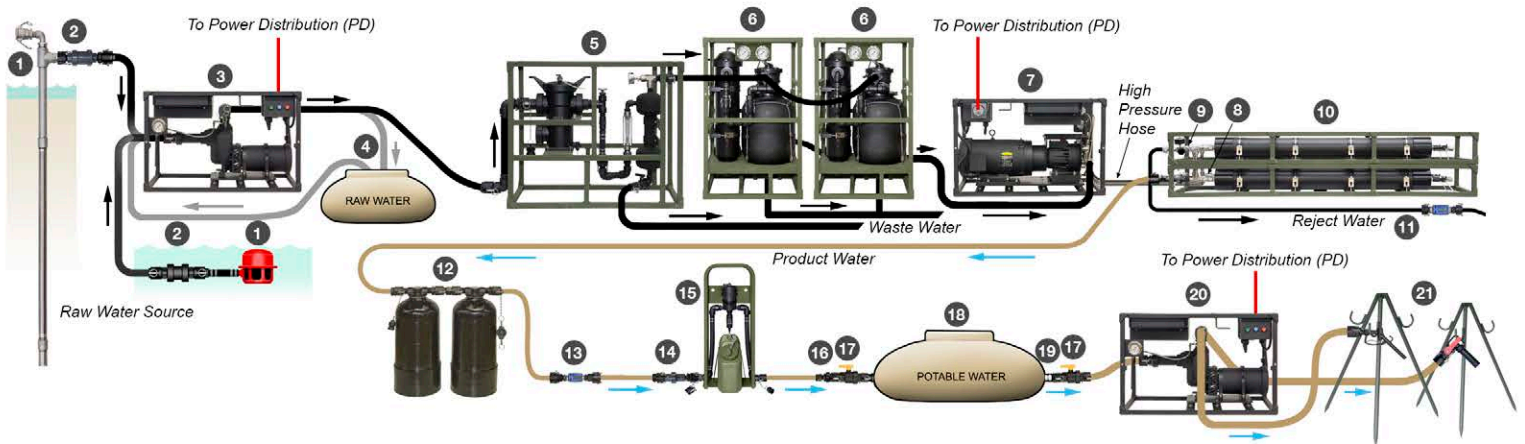
## Lightweight Water Purification System with Enhanced Production Module



The LWPS is a modular, portable and scalable reverse osmosis water purification system that can achieve absolute water purification in any field condition. It was developed for use by military forces, highly mobile teams in remote areas, and emergency/disaster relief personnel. The system's versatility provides for self-contained water purification, storage and distribution without the need for external power or HME. The LWPS is able to provide sustainable water purification support in expeditionary environments.

The LWPS has an easy access, open frame design and all connections are quick-release for easy maintenance and quick element or parts replacement. It is ALL SOURCE CAPABLE™, able to purify fresh, brackish and sea water, even water contaminated with nuclear, chemical and biological (NBC) agents.

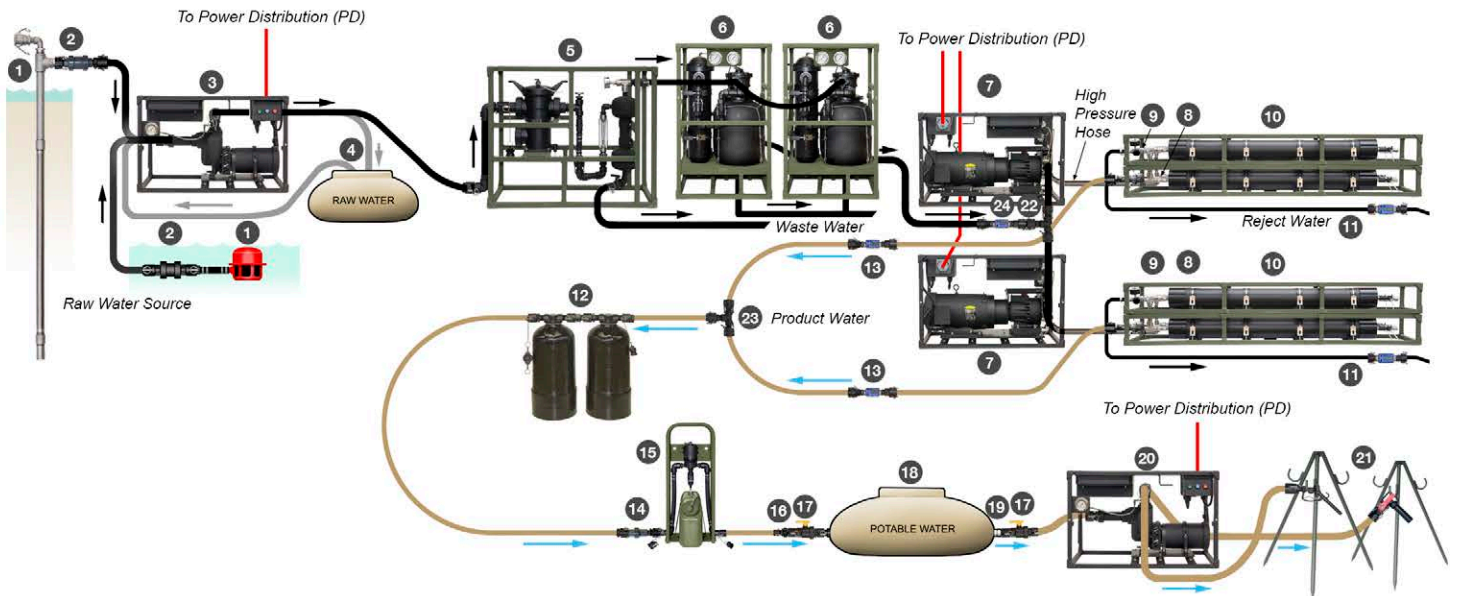
## LWPS Electric Powered Water Desalination and Purification System



The E-LWPS is the electric version of the diesel LWPS and its performance and reliability is identical to the diesel configuration. Utilizing electric motors to power the Raw Water Pump, the High Pressure Pump and the Product Water Pump, the E-LWPS operates on standard military (TQG) or civilian generators with an output of 30 kw. All other modules are compatible and function the same way as with the diesel LWPS, including the EPM (Enhanced Production Module) and the ECMs (Extended Capability Modules). Production of up to 300 GPH/5 GPM can be achieved.

Motors are 50/60 hz, 3 Phase 208-230/460. Qty 1: High Pressure Pump motor, 21 amps. Qty 2: Low Pressure Pump motors, 15.8 amps. Power required is 36.8 amps, 8KW.

## LWPS Electric Powered Water Desalination and Purification System with Enhanced Production Module



The E-LWPS EPM, (Lightweight Water Purification System - Enhanced Production Module), is the fifth extended capability module which can be added to the system to produce up to twice the water production with a significant fuel reduction.

Because of the LWPS' unique flow and true scalability, production is increased by adding a second set of high pressure pump and RO modules to the base system. Production of up to 600 GPH/10 GPM can be achieved while the total operational footprint is increased by only a few feet.

Motors are 50/60 hz, 3 Phase 208-230/460. Qty 2: High Pressure Pump motor, 42 amps. Qty 2: Low Pressure Pump motors, 15.8 amps. Power required is 57.9 amps, 13KW. Both models of the E-LWPS can be supported with a 15KW or larger MEPDIS-R panel. Hubble plugs are installed on all pumps.

### Key

1. Intake Strainer or OISS	7. High Pressure Pump Module	13. Product Water Flow Meter	19. Male to Male Adapter
2. Raw Water Check Valve	8. RO Inlet Flow Meter	14. Product Water Check Valve	20. Product Water Distribution Pump Module
3. Raw Water Pump Module	9. RO Reject Control Valve	15. Chlorine Injector	21. Product Water Distribution Assembly
4. Optional 1K Raw Water Tank	10. Reverse Osmosis Module	16. Hose to Product Water Tank Adapter	
5. Strainer Separator Module	11. Reject Water Flow Meter	17. Product Water Ball Valve	
6. Media Cartridge Filter Module	12. Optional CBRN Module	18. 3K Product Water Tank	
			22. EPM Raw Water tee
			23. EPM Product Water tee
			24. EPM Raw Water Flow Meter

# *Purify water anywhere in the world from any source.*



**TACTICAL and FIRST RESPONSE WATER PURIFICATION SYSTEMS**

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