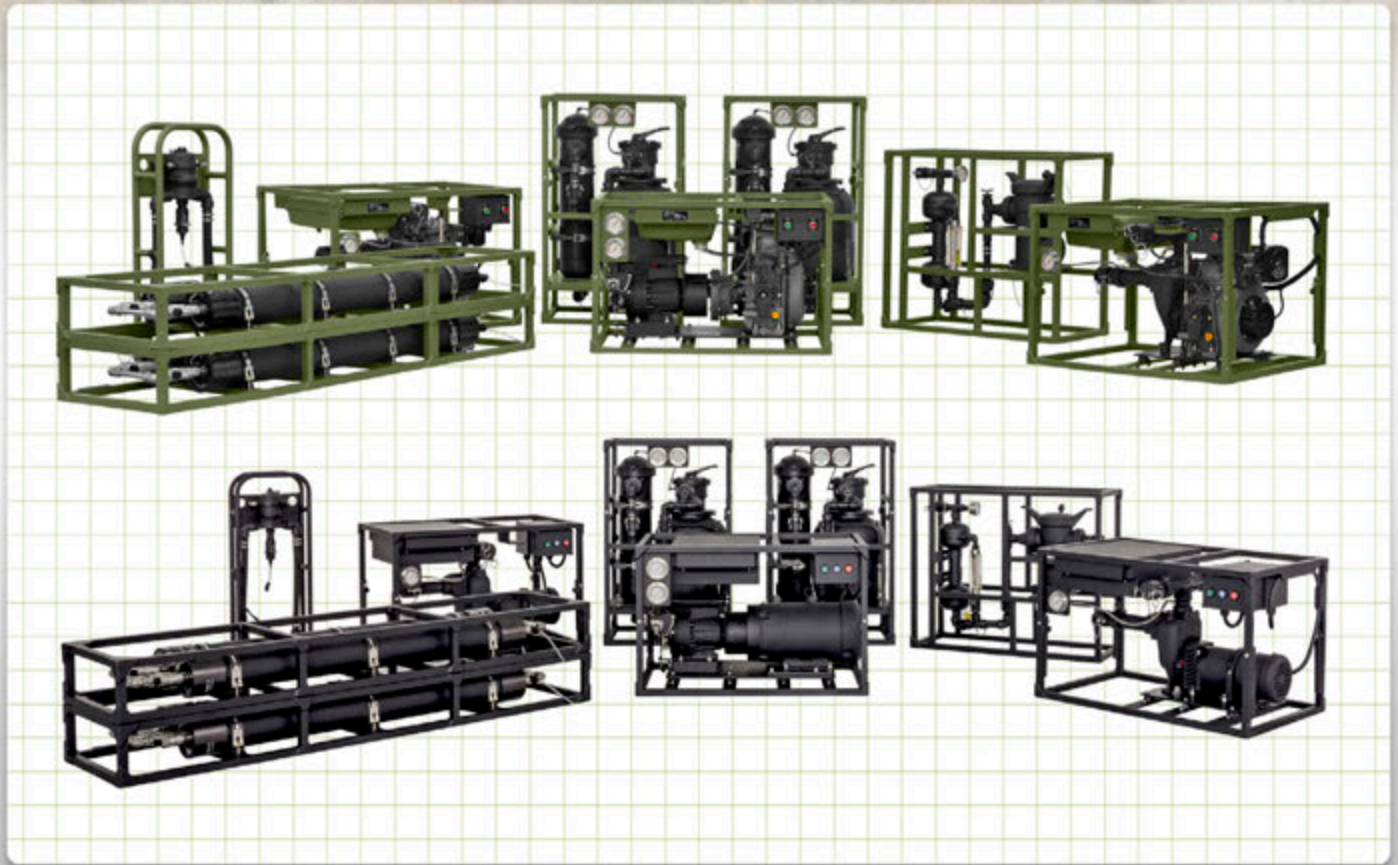


LWPS

LIGHTWEIGHT WATER PURIFICATION SYSTEM

*Scalable, Modular Design
Multi-fuel and Electric Models*



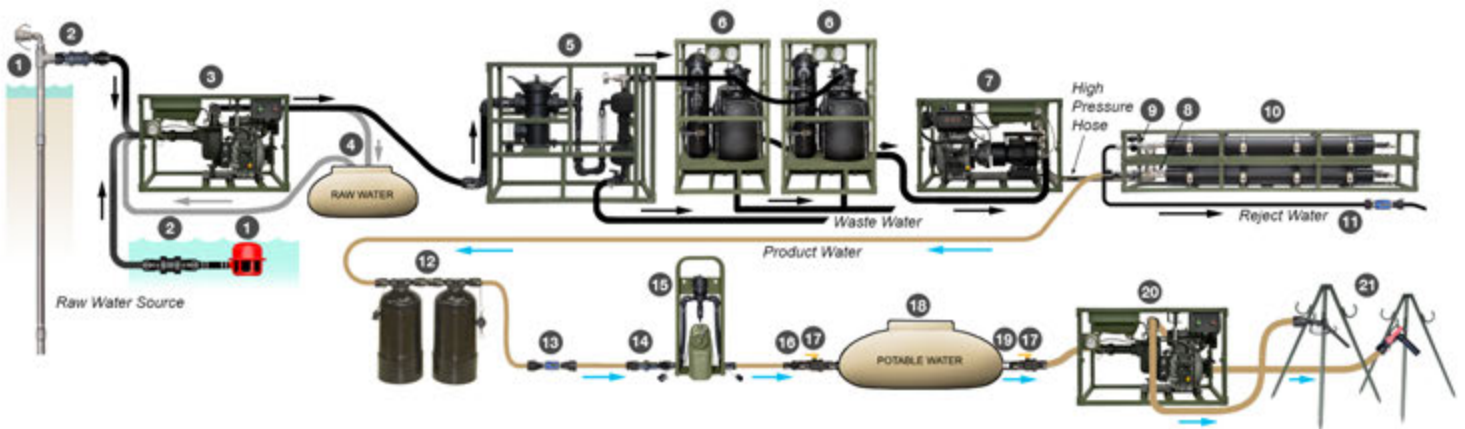
LWPS

Lightweight Water Purification System

LWPS Advantages

- Modular - Scalable - Portable
- Self-Contained
- Systems can be powered by Multi-fuel Engines or Electric Motors
- Proven DoD Capability
- Hardened for any Environment
- Easy to Operate and Maintain
- Minimum Training Required
- Cost Effective
- A Highly Efficient and Secure Alternative to Bottled Water
- Provides Water to Support Site Clean-up and Showers
- Utility and Design Protected by International Patents and Trademarks
- OEM Support
- Training Program, Certified Former Military Trainers

LWPS Diesel Powered Water Desalination and Purification System



NSN 4610-01-572-8283 LWPS-5083

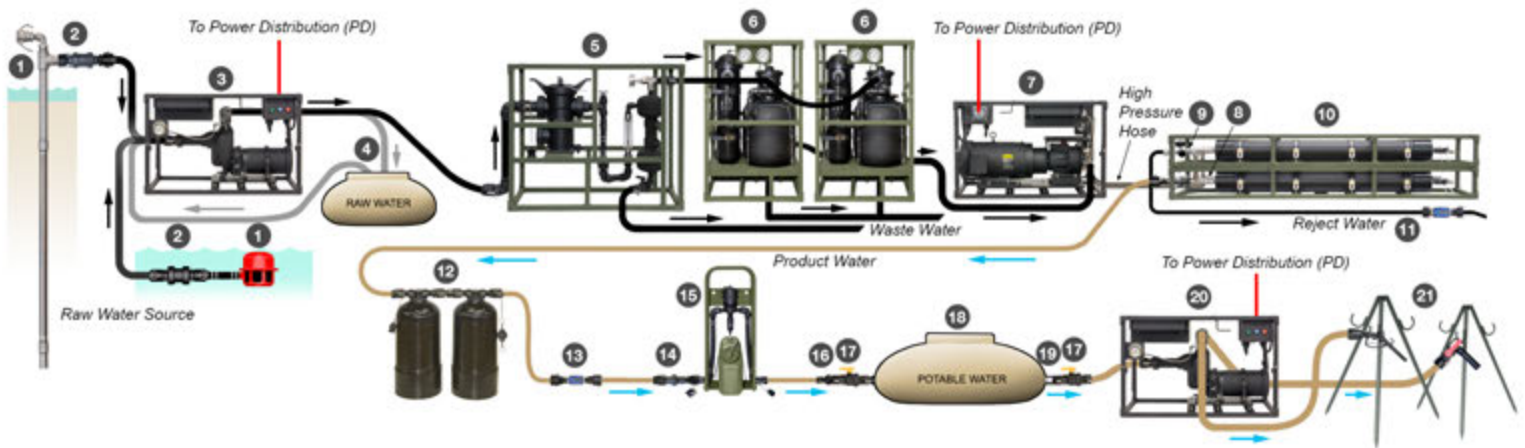
The LWPS is a modular, portable and scalable reverse osmosis water purification system that can achieve absolute water purification in any field condition. It was developed for use by military forces, highly mobile teams in remote areas, and emergency/disaster relief personnel. The system's versatility 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.

Key

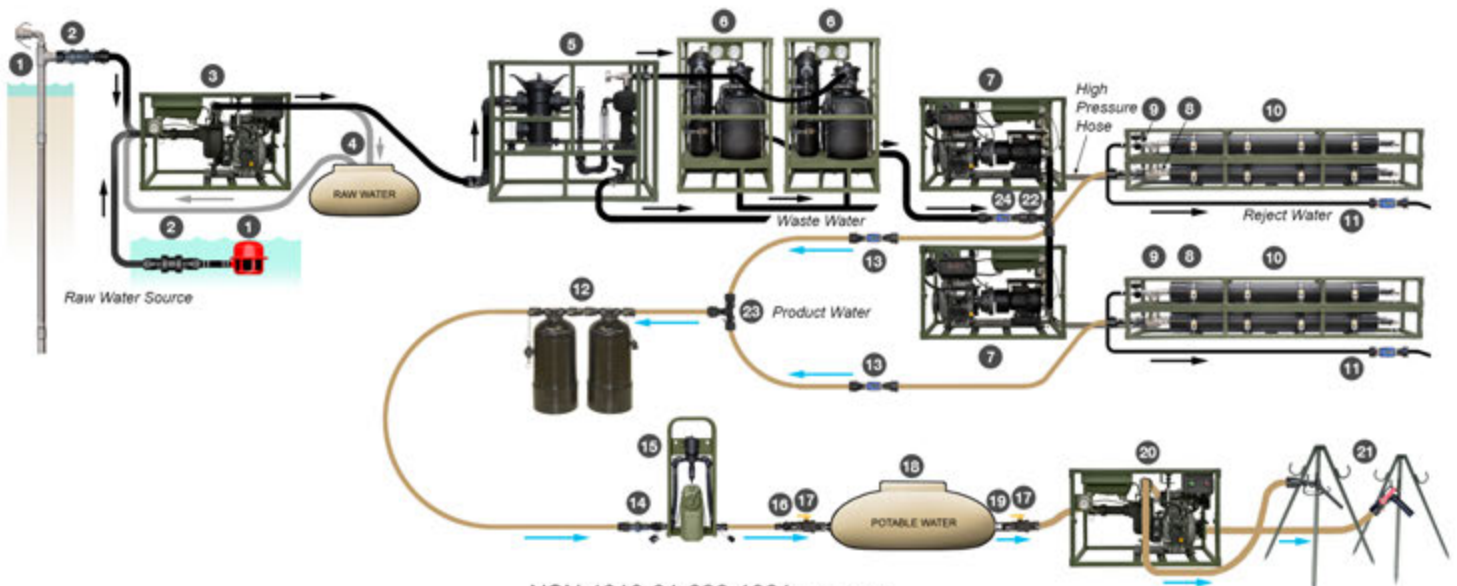
1. Intake Strainer or OISS	7. High Pressure Pump Module	13. Product Water Flow Meter	19. Male to Male Adapter
2. Raw Water Check Valve	8. RO Inlet Flow Meter	14. Product Water Check Valve	20. Product Water Distribution Pump Module
3. Raw Water Pump Module	9. RO Reject Control Valve	15. Chlorine Injector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

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 can now operate on standard military (TQG) or civilian generators with an output of 30 kw. All other modules are compatible and function the exact same way as with the diesel LWPS and that includes the EPM (Enhanced Production Module) and the ECMs (Extended Capability Modules). Motors are 50/60 hz, 3 Phase 208-230/460.

LWPS Diesel Powered Water Desalination and Purification System with Enhanced Production Module



NSN 4610-01-628-1081 LWPS5001

The LWPS with EPM, (Lightweight Water Purification System with Enhanced Production Module), is a module which can be added to the system to increase the water production. 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 and minimum weight.

Purify water anywhere in the world from any source.



TACTICAL and FIRST RESPONSE WATER PURIFICATION SYSTEMS



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