

LWPS-EPM

ENHANCED PRODUCTION MODULE

Scalable, Modular Design
Increased Production and Fuel Efficiency

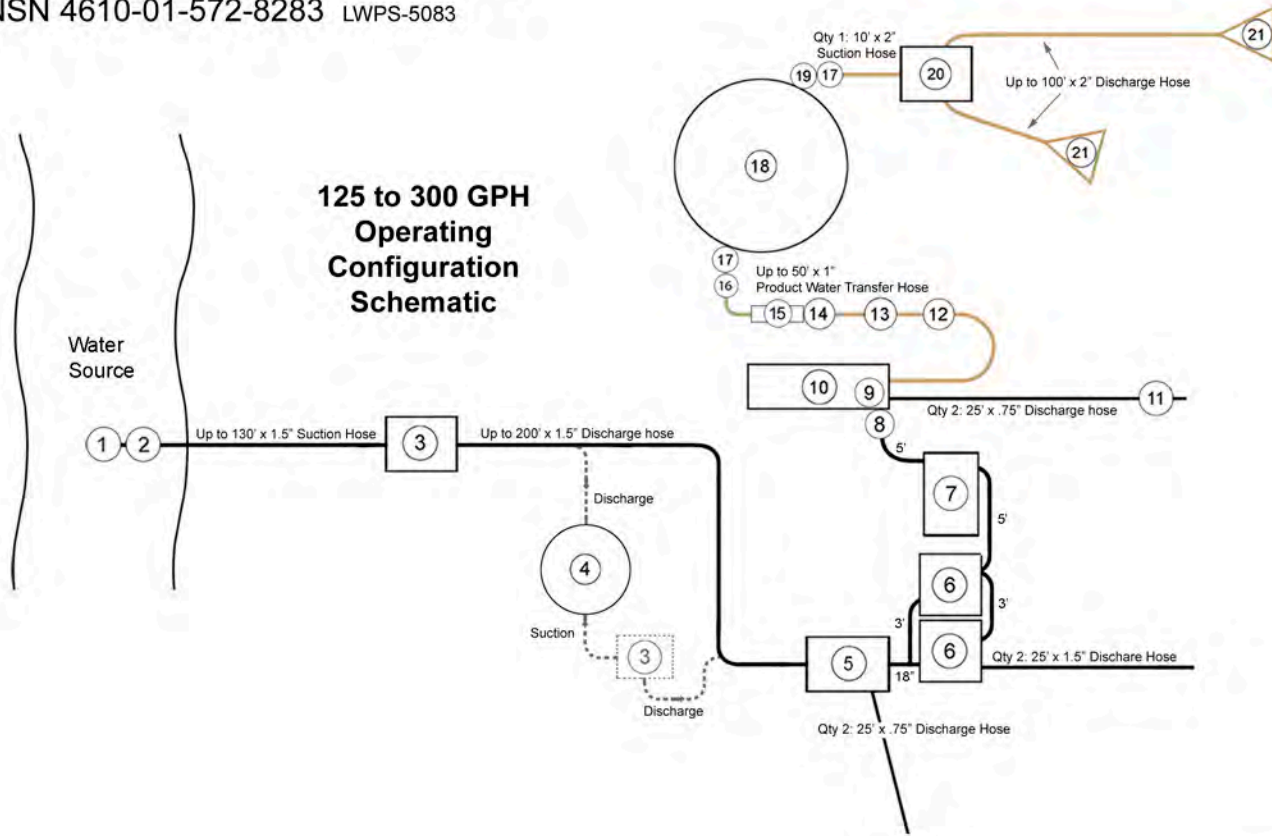


TACTICAL and FIRST RESPONSE



WATER PURIFICATION SYSTEMS

Lightweight Water Purification System
 NSN 4610-01-572-8283 LWPS-5083



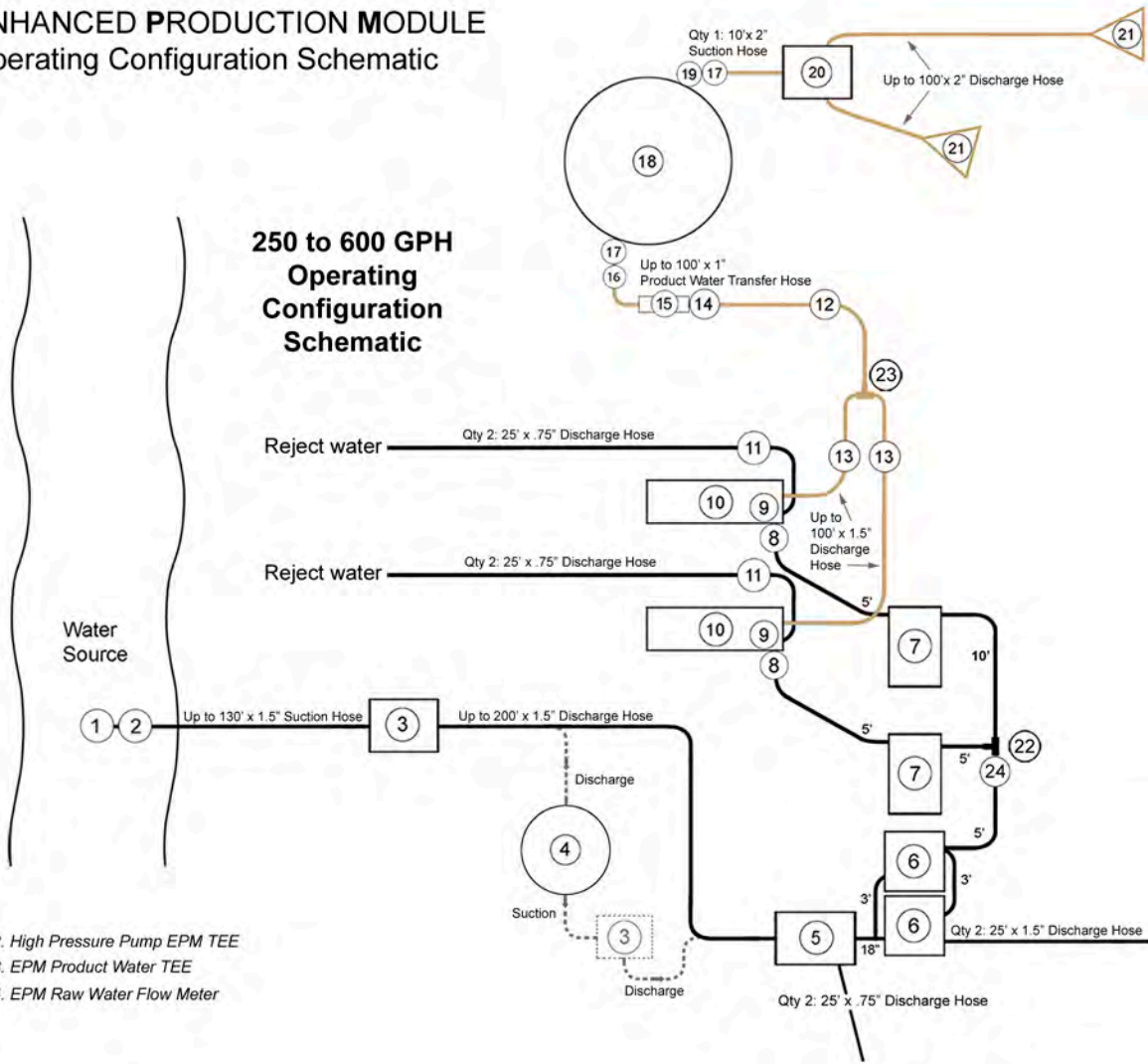
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|----------------------------------|-------------------------------|--|
| 1. Intake Strainer or OISS | 8. RO Inlet Flow Meter | 15. Chlorine Injector Module |
| 2. Raw Water Check Valve | 9. RO Reject Control Valve | 16. Hose to Product Water Tank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

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 highly mobile teams in remote areas or emergency and temporary sites. 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.



ENHANCED PRODUCTION MODULE Operating Configuration Schematic



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

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



Purify water anywhere in the world from any source.



TACTICAL and FIRST RESPONSE WATER PURIFICATION SYSTEMS

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