LWPS 3.0

LIGHTWEIGHT WATER PURIFICATION SYSTEM 3RD GENERATION



900+ GPH Product Water Output





SCALABILITY

The LWPS 3.0 (Lightweight Water Purification System - 3rd Generation) can produce 900+ GPH simply by adding 5 more alike to the current LWPS EPM configuration. The LWPS with EPM is the system currently used by the USMC and NAVY.

Because of the LWPS unique scalability and flow configurations, production can be scaled up or down based on field water requirements. The base LWPS is able to produce up to 300 GPH and has been reconfigured to produce up to 600 GPH with EPM. The LWPS 3.0 is the final, and 3rd generation LWPS which has been scaled up to produce 900 + GPH.

All modules are currently provisioned and are taught at the MCES.

LWPS 3.0 can be operated by diesel motors (current system), or can be powered with the electrical E-LWPS version.

Reject water

Reject water

Reject water

(4)

900+ GPH

Operating

Configuration

Schematic

Water

Source

(1)(2)

Qty 1: 10' x 2' up to 100' x 2" layflat product (20) 1. Intake Strainer or OISS (18) 2. Raw Water Check Valve 3. Raw Water Pump Module 4. Optional 1K Raw Water Tank 5. Strainer Separator Module 6. Media Cartridge Filter Module 7. High Pressure Pump Module (23) 8. RO Inlet Flow Meter 9. RO Reject Control Valve Qty 2: 25' x .75" Reject Water Discharge Hose 10. Reverse Osmosis Modules 13) (13) (10) 9 11. Reject Water Flow Meter 8 12. Optional NBC Module Qty 2: 25' x .75" Reject Water Discharge Hose 13. Product Water Flow Meter (10) 14. Product Water Check Valve 9 8 15. Chlorine Injector 16. Hose to Product Water Qty 2: 25' x .75" Reject Water Discharge Hose Tank Adapter (10) 9 17. Product Water Ball Valve 18. Product Water Tank 19. Male to Male Adapter 20. Product Water Distribution Pump Module 21. Product Water Distribution







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Assembly

Backwash Hose

22. High Pressure Pump EPM TEE

Backwash Water

23. RO Product Water EPM TEE

24. EPM Raw Water Flow Meter, 1"

Qty 2: 25

.75" Separator Drain Hose