

## LIGHTWEIGHT WATER PURIFICATION SYSTEM (LWPS)



**TAMCN: B0071**

**ID: 11720A**

**NSN: 4610-01-572-8283**

### Functional Description

The Lightweight Water Purification System (LWPS) is a lightweight, modular, highly transportable, self-contained water purification system capable of purifying up to 75 gallons per hour (GPH) of salt water and 125 GPH of fresh water. The LWPS consists of four functional components: 1) Raw Water, 2) Pre-filtration, 3) Reverse Osmosis, and 4) Product Water. It also provides four optional extended capability modules. Refer to TM 11720A-OI for inventory and description. The cold weather kit requires a 3kW 110V / single phase power source. Man portable and requires forklift support.

### Technical Description

**Set**

Manufacturer: Terra Group Corporation  
 Model: M-PRO

**Fuel**

Fuel Capacity (Gal): 3 pumps at 3.0  
 Fuel Consumption (GPH): 3 pumps at .5  
 Fuel Requirement: Diesel/JP-8

**Dimensions**

Raw Water Pump	Length (in): 36 Width (in): 24 Height (in): 23 Weight (lbs): 180 Volume (ft <sup>3</sup> ): 11.5	High Press Pump	Length (in): 36 Width (in): 24 Height (in): 23 Weight (lbs): 263 Volume (ft <sup>3</sup> ): 11.5
Strainer Separator	Length (in): 36 Width (in): 15 Height (in): 30 Weight (lbs): 69 Volume (ft <sup>3</sup> ): 9.375	RO Module x2	Length (in): 72 Width (in): 18 Height (in): 8 Weight (lbs): 129 Volume (ft <sup>3</sup> ): 6
Chlorinator Injector	Length (in): 10 Width (in): 5 Height (in): 24 Weight (lbs): 14 Volume (ft <sup>3</sup> ): .69	Media Filter	Length (in): 24 Width (in): 18 Height (in): 38 Weight (lbs): 160 Volume (ft <sup>3</sup> ): 9.5

**Replaced Item** B2628

**Transportability** Treat as cargo

**Associated TAMCN(s)** B0730