Fresh Drinking water from any freshwater source

Overview

The **Séon UV** water purifier is a portable system which filters and disinfects water from any freshwater source, such as rivers, lakes, dams etc. Inside the rigid, tough military case are an inlet hose and an outlet hose. Once the inlet hose has been placed in the water source the system is switched on and filters primed, fresh drinkable water will emerge at up to 600 litres per hour for immediate drinking or storage.

Utilising technology developed by NASA, of triple filters and cutting edge LED Ultra Violet disinfecting technology (UVC), the system produces clean drinking water in volume within minutes. A unique self-priming pump and power pack enable the system to be contained within its own high strength case ready for immediate operation within minutes.

Main features

- ✓ **600 litres of clean water per hour**
- ✓ **Fresh water system**
- ✓ **Set up in 5 minutes**
- ✓ **Military Approved housing**
- ✓ **Integral power pack and pump**
- ✓ **Water drinkable within 2 minutes after turning on**
- ✓ **Man-portable**

Operation:

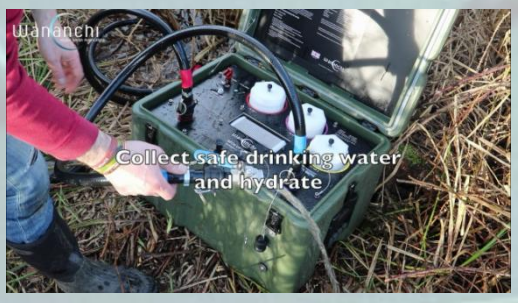
1. Connect the 2 hoses and place the free end of the inlet into the water source.
2. Switch On and the pump will start drawing water.
3. Bleed air from the system by pressing the black buttons.
4. Fresh drinking water is now available on demand; simply open and close the tap on the product hose as you would in a house

Operational Costs and Benefits

- ✓ Filter life is infinitely variable and dependant of source water turbidity and volume of water processed.
- ✓ UVC LED life is up to 10,000 hours with unlimited on/off cycles.
- ✓ Low power consumption
- ✓ Fast return of investment over the cost of bottled water for operations in a remote environment.
- ✓ Reduced logistical issues.

Wananchi Ltd & NISIT International Ltd Tel: mob: +44 (0) 7778 446694
contact@nisit.co.uk

Safe, Reliable and Environment Friendly



The system

The system is powered by a 12v battery providing a safe low voltage with added benefit of multiple charging options (car, mains, solar or generator). Charging is normally made via a quick release electrical connector on the top panel with the mains charger provided. A quick release panel reveals the battery terminals to enable multiple charging alternatives or even direct voltage application in the event of a fully discharged battery.

Technical Data

Pump UV Lamp

12v DC UVC LED disinfection system
Fused: 12A Input power 12v DC
Cut out pressure: 70 psi (4.8 bar) Power consumption 24W
Maximum suction lift: 3m Fused: 2.5A

Power Cell Charger

RED FLASH™ XP22-12 220-240V AC input
Valve Regulated Lead-Acid Rechargeable Battery 14.6V DC/8A max output 12v 22Ah VRLA Battery

Actual Operation Data

Production per hour 600 litres max
Production per battery charge 1470 litres over 2.75 hours' max water Temperature 0-50^{0}C

Overall Dimensions

Width: 600mm Depth: 450mm Height: 400mm
Weight Dry: 38kg: Wet: 44kg
Inlet Hose: 3.0m
Product hose: 1.5m

Product Water Certification

UVC lamp microbiological testing in accordance with NSF and US EPA drinking water guidelines & tested for NSF/ANSI 372 & 61 compliance
Full system microbiologically tested by UKAS approved laboratory
Carbon filter chlorine taste and odour reduction tested in accordance with NSF/ANSI Standard 42 protocol

Ingress Protection Rating: IP65

Wananchi Ltd & NISIT International Ltd Tel: mob: +44 (0) 7778 446694
contact@nisit.co.uk