

Compact Water Purification System

WATER PURIFICATION SYSTEM USING NOVEL CERAMIC ULTRAFILTRATION AND UVC TECHNOLOGY

Compact Water Purification System (CWPS)

Much of the cost of clean water is embedded in transportation via pipeline or truck. The key is to cut water transportation by developing technologies that enable cost-effective distributed treatment and re-use. CWPS produces enough clean drinking water to serve the needs of 600 people per day for humanitarian and rural community applications from sources such as river, rain (harvesting), ground (well) or flood waters.



Quality of Water:

Meets WHO drinking water standards

Portability of equipment:

Ease of transportation and access to remote areas

Fit-for-Purpose: Energy-efficient technology, rural application where maintenance and site conditions are a challenge. E.g. Lack of power supply, difficult terrain, remote sites, etc.

Sizes

CWPS Standard Unit : 63 x 50 x 30cm

- 1) **Flow Rate :** up to 500 litres per hour
- 2) **Weight:** 30 kg

CWPS-Mini Unit : 52 x 40 x 22cm

- 3) **Flow Rate:** up to 150 litres per hour
- 4) **Weight:** 12 kg

Sterilizer

All CWPS units comes with UVC disinfection lamp that kills bacteria, viruses and pathogens

Power Supply

12V DC Car Battery and/or Solar Power Pack (Optional)

Demo Video: https://youtu.be/E8_7naSkrmc

