

# CUF-2500

## Portable Ultrafiltration System



- ▶ Ultrafiltration (UF) system produces 2,500 gpd of purified drinking water.
- ▶ Portable - all components built into rolling case. Gauges, valves and ports are external.
- ▶ Hollow fiber ultrafiltration membrane, high-capacity gradient depth prefilter, granular activated carbon postfilter.
- ▶ Removes bacteria, cysts and most viruses.
- ▶ Designed for gravity or line pressure feed source. No electrical input required.
- ▶ May be configured for external submersible pump to draw water from shallow wells, cisterns, tanks or surface water.
- ▶ Light enough to be deployed by one person. May be checked as baggage.

### Applications

- ▶ Disaster relief
- ▶ Humanitarian assistance
- ▶ NGO staff support
- ▶ Mobile water vending

### Options

- ▶ Solar power configuration
- ▶ Generator power configuration
- ▶ Storage tanks
- ▶ Delivery pump

# CUF-2500

## Portable Ultrafiltration System

### SYSTEM SPECIFICATIONS

<b>Model Number</b>	CUF-2500
<b>Production Rate<sup>1</sup></b>	2,500 gpd (9,464 Lpd)
<b>Bacteria, Cyst Removal</b>	99.999%
<b>Membrane</b>	(1) Hollow fiber membrane cartridge
<b>Prefilter</b>	10" Gradient depth
<b>Postfilter</b>	12" Granular activated carbon
<b>Dimensions</b>	32.5"W x 20.5"D x 11.3"H (82.5 cm x 52 cm x 28.7 cm)
<b>Weight (lbs)</b>	85 lbs (38.6 kg)

<sup>1</sup>Based on membrane performance at 77°F (25°C), <5 NTU, 5% membrane crossflow to drain, and 35 psi operating pressure. Membrane performance may vary ±15%.

### OPERATING SPECIFICATIONS

<b>Operating Pressure</b>	18-35 psi (0.12 - 0.24 MPa)
<b>Max Operating Pressure</b>	60 psi (0.41 MPa)
<b>Max Backflush Pressure</b>	30 psi (0.21 MPa)
<b>Max Water Temperature</b>	100°F
<b>Max Chlorine, Cleaning</b>	250 ppm at pH 11
<b>pH Range</b>	3-10
<b>pH Range (optimum)</b>	5-8
<b>Turbidity<sup>2</sup></b>	<10.0 NTU
<b>Iron, Hydrogen Sulfide, Manganese</b>	0 ppm

<sup>2</sup>Turbidity maximum may be exceeded for brief periods as long as prefilter is checked frequently and changed out when it becomes loaded with silt or other suspended solids.

### TYPICAL INSTALLATION DIAGRAM

(shown with optional submersible pump)

