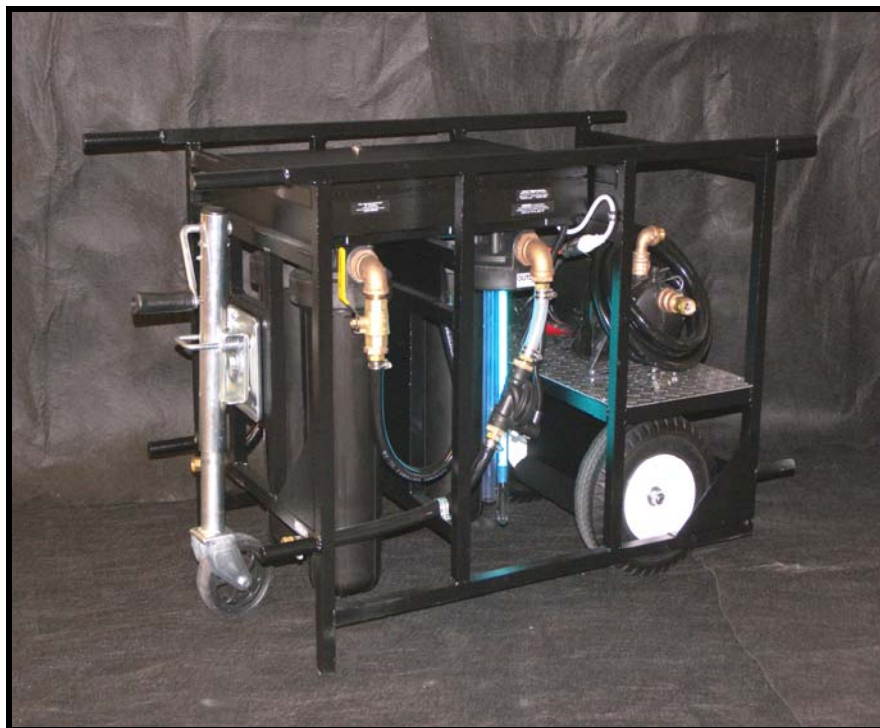


Water Purification Technology

PFU-720-CP Conventional Powered Systems

PFU-720-SP Solar Powered Systems

*When safe water is a matter of life or death...
trust nothing but the best*



PFU-720 Features

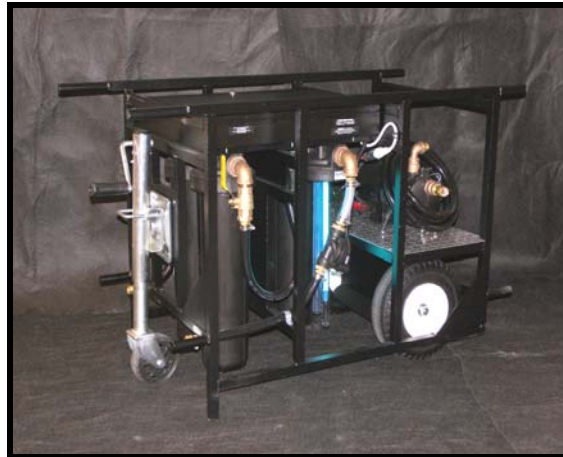
The PFU-720 Series water treatment and purification systems are ideal for disaster preparedness, clean water for an entire community, and other applications in which a robust, fully reliable water source is absolutely essential. The PFU-720 features include:

- Ideal for disaster relief, military, rescue operations, missions, hospitals schools, and small communities
- Advanced robust design for emergency use and providing of drinking water to small villages and residential clusters
- Supports being positioned for centralized water distribution
- Supports shelters / residential communities housing several hundred people
- Units can be scaled up or used in tandem for larger applications to serve thousands of residents
- Easy to use, with minimal training and maintenance
- Technology includes proprietary combination of primary filtration, carbon block, and UV disinfection
- Best application is the purification of contaminated well water, city water, river and lake water, and other fresh water sources
- Very effective on waterborne pathogens and contaminants (e.g., parasites, bacteria, and viruses) and nominal chemical contamination (e.g., Arsenic and toxic metals)
- Produces drinking water that meets International Drinking Water Standards, and USEPA NSF P248 (2008) and P231 Biological Challenge Standards
- Can be used in conjunction with conventional AC power (110 / 220 VAC), or full solar power systems
- Typical total treatment cost is about \$0.01-\$0.02 per gallon and \$0.03-\$0.05 per gallon using full solar power (includes: amortization of capital cost + operating cost + consumables)
- Easily adaptable to ice machines, kitchen facilities and food preparation, laundry support, dish washing machines, etc.

Standard Models

- Model # PFU-720-CP
- Model # PFU-720-SP-8
- Model # PFU-720-SP-16
- Model # PFU-720-SP-20

* Other models can be custom designed to meet customer specifications



Model: PFU-720-CP

The Model CP is be powered by conventional 110/220 VAC. This provides great flexibility in an emergency or other situation when a power supply is available or a generator.

Power Supply: AC

Operational 110/220 VAC = 24 hours/day

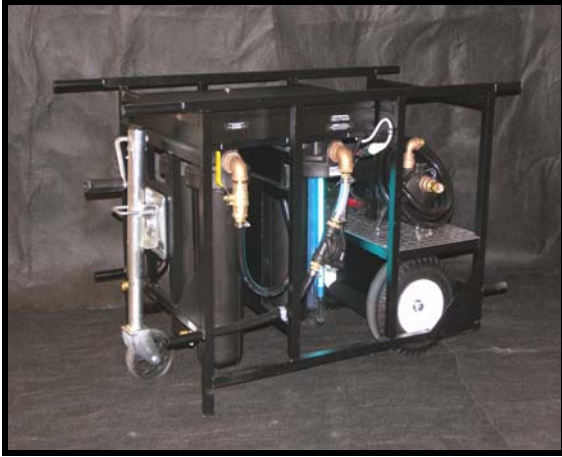
Pumping Rate = 12 gallons/minute

Pumping Rate = 720 gallons/hour

Total Gallons/Day = 17,280 gallons/day

PFU-720-CP Package

The PFU-720-CP package includes a treatment unit, strong self priming pump, 50' outlet hose and 25' inlet hose, large pre-filtration screen, sturdy frame, run-flat wheels, 2 UV bulbs, 2 quartz sleeves, 4 sediment filters, 4 carbon block filters, and 4 virus filters and an instruction manual.



Model: PFU-720-SP-8

The Model SP-8 can be powered by conventional 110/220 VAC, or by solar power only. This provides great flexibility in an emergency or other situation.

Power Supply: AC and Solar

Operational 110/220 VAC = 24 hours/day

Operational Full Solar Power Only = 8 hours/day

Pumping Rate = 12 gallons/minute

Pumping Rate = 720 gallons/hour

Total Gallons/Day = 5,760 gallons/day (solar only)

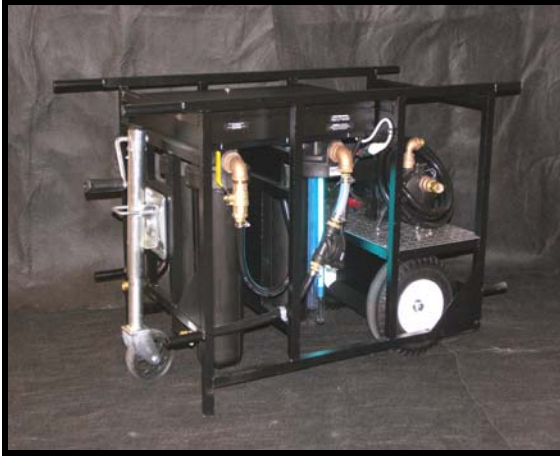
Total Gallons/Day = 17,280 gallons/day

Solar Power Configuration

The solar power configuration is designed to run the PFU-720-SP-8 unit for 8 hours/day using solar energy only. The solar power system includes 230 watt solar modules, 105 Amp hour AGM batteries, mounting kits, 60 Amp controller, cable kits, inverter, and battery enclosures.

PFU-720-SP-8 Package

The PFU-720-SP-8 package includes a treatment unit, strong self priming pump, full power solar system, 50' outlet hose and 25' inlet hose, large pre-filtration screen, sturdy frame, run-flat wheels, 2 UV bulbs, 2 quartz sleeves, 4 sediment filters, 4 carbon block filters, and 4 virus filters and an instruction manual.



Model: PFU-720-SP-16

The Model SP-16 can be powered by conventional 110/220 VAC, or by solar power only. This provides great flexibility in an emergency or other situation.

Power Supply: AC and Solar

Operational 110/220 VAC = 24 hours/day

Operational Full Solar Power Only = 16 hours/day

Pumping Rate = 12 gallons/minute

Pumping Rate = 720 gallons/hour

Total Gallons/Day = 11,520 gallons/day (solar only)

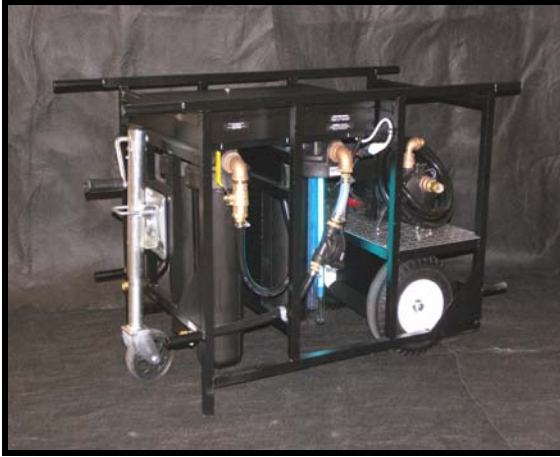
Total Gallons/Day = 17,280 gallons/day

Solar Power Configuration

The solar power configuration is designed to run the PFU-720-SP-16 unit for 16 hours/day using solar energy only. The solar power system includes 230 watt solar modules, 105 Amp hour AGM batteries, mounting kits, 60 Amp controller, cable kits, inverter, and battery enclosures.

PFU-720-SP-16 Package

The PFU-720-SP-16 package includes a treatment unit, strong self priming pump, full power solar system, 50' outlet hose and 25' inlet hose, large pre-filtration screen, sturdy frame, run-flat wheels, 2 UV bulbs, 2 quartz sleeves, 4 sediment filters, 4 carbon block filters, and 4 virus filters and an instruction manual.



Model: PFU-720-SP-20

The Model SP-20 can be powered by conventional 110/220 VAC, or by solar power only. This provides great flexibility in an emergency or other situation.

Power Supply: AC and Solar

Operational 110/220 VAC = 24 hours/day

Operational Full Solar Power Only = 20 hours/day

Pumping Rate = 12 gallons/minute

Pumping Rate = 720 gallons/hour

Total Gallons/Day = 14,400 gallons/day (solar only)

Total Gallons/Day = 17,280 gallons/day

Solar Power Configuration

The solar power configuration is designed to run the PFU-720-SP-20 unit for 20 hours/day using solar energy only. The solar power system includes 230 watt solar modules, 105 Amp hour AGM batteries, mounting kits, 60 Amp controller, cable kits, inverter, and battery enclosures.

PFU-720-SP-20 package

The PFU-720-SP-20 package includes a treatment unit, strong self priming pump, full power solar system, 50' outlet hose and 25' inlet hose, large pre-filtration screen, sturdy frame, run-flat wheels, 2 UV bulbs, 2 quartz sleeves, 4 sediment filters, 4 carbon block filters, and 4 virus filters and an instruction manual.

For further information and pricing, please contact:

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