

# Water Purification Technology

## WH-15 Series (Drinking Water Configuration)



## **Standard Models**

- Model # WH-15C-CP  
Conventional 110/220 VAC
- Model # WH-15C-SP-12  
Conventional 110/220 VAC or by full solar power (12 hours/day)
- Model # WH-15C-SP-24  
Conventional 110/220 VAC or by full solar power (24 hours/day)

## System Specifications

- Six-stage advanced water treatment system with a unique combination of proprietary electro-flocculation, sediment filtration, proprietary activated carbon filtration, polishing filter, ozonation, and ultra-violet light sterilization.
- Can treat water contaminated with both toxic chemicals and biological pathogens.
- Fully automated stainless steel unit, the size of a book case (36 x 18 x 72 inches; 225 lbs).
- Purifies 15 gallons per minute – a maximum of 21,600 gallons per day. Converts poor quality water (e.g., from a well, river, lake, surface impoundment, or municipal water system) into safe drinking water.
- Kills all known biological pathogens (e.g., bacteria, viruses, fungi, parasites, etc.)
- Removes heavy metals (e.g., iron, arsenic, lead, etc.) and radioactive compounds.
- Removes fats and oils that clog traditional water treatment systems.
- Removes pharmaceutical wastes.
- Removes soluble compounds (e.g., slime, natural toxins, soluble toxicants, sugars, soaps, detergents, etc.) that pass through traditional water treatment systems.
- Removes compounds that affect the odor and taste of water.
- Can be used as a pre-treatment step for reverse osmosis systems to treat saline or brackish influent. The unit eliminates fouling of the membranes, thereby greatly extending their useful life.
- Energy efficient, with a flow sensor that turns the unit on and off, depending on water demand. Power consumption is only 600 watts, and can be powered by either conventional AC or solar systems.
- Low maintenance. The unit automatically back flushes at night to minimize clogging of filters by the huge amount of slime and pollutants that the unit removes from the water each day.



**Model: WH-15C-CP**

The Model CP is powered by conventional 110/220 VAC, and is very energy efficient. A flow sensor turns the WH-15 unit on and off, depending on water demand. Power consumption is 600 watts when water is running through the unit.

Operational 110/220 VAC = 24 hours/day

Pumping Rate = 15 gallons/minute

Pumping Rate = 900 gallons/hour

Total Gallons/Day = 21,600 gallons/day



**Model: WH-15C-SP-12**

The Model SP-12 can be powered by conventional 110/220 VAC, or by using full solar power for 12 hours/day. A flow sensor turns the WH-15 unit on and off, depending on water demand. Power consumption is 600 watts when water is running through the unit.

- Operational 110/220 VAC = 24 hours/day
- Operational Full Solar Power Only = 12 hours/day
- Pumping Rate = 15 gallons/minute
- Pumping Rate = 900 gallons/hour
- Total Gallons/Day = 10,800 gallons/day (solar only)
- Total Gallons/Day = 21,600 gallons/day (110/220 VAC)

**Solar Power Configuration**

The solar power configuration is designed to run the WH-15C-SP-12 unit for 12 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.



### **Model: WH-15C-SP-24**

The Model SP-24 can be powered by conventional 110/220 VAC, or by using full solar power for 24 hours/day. A flow sensor turns the WH-15 unit on and off, depending on water demand. Power consumption is 600 watts when water is running through the unit.

Operational 110/220 VAC = 24 hours/day  
Operational Full Solar Power Only = 12 hours/day  
Pumping Rate = 15 gallons/minute  
Pumping Rate = 900 gallons/hour  
Total Gallons/Day = 21,600 gallons/day (solar only)  
Total Gallons/Day = 21,600 gallons/day (110/220 VAC)

### **Solar Power Configuration**

The solar power configuration is designed to run the WH-15C-SP-24 unit for 24 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

For further information and pricing, please contact:

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