



Villager A1

**Filtration and UV Light Disinfection
12-volt / Auxiliary Powered
Water Purification System for Remote
Applications**



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| <ul style="list-style-type: none"> • Stationary, Wall Mount System • 1 gallon (3.7 liters) per minute • 60 gallons / 220 liters per hour • 12-volt Auxiliary Powered Operation • Filtration and UV water purification process • Built-in Flexibility | <ul style="list-style-type: none"> • Rugged / Reliable • Easy, 1-minute Start-Up: Instant Production • 15 foot long Extension Power Cord • 4 amp per 1 hour draw. • 10 ft long Inlet hose & 7 ft. long Outlet hose • Pull water from most rivers and lakes |
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Cleaner and Safer Drinking Water from most any Creeks, Rivers, Lakes or Fresh Water Sources

Aqua Sun manufactures the **Villager A1 Stationary, Wall Mount 12-volt Powered Water Purification Systems for Remote Applications**. This system has the capabilities of producing **cleaner and safer drinking water** from almost any creek, stream, pond, well, lake or most any fresh water source at a volume production rate of **1 gallon (3.7 liters) per minute** where water purification is impractical or unattainable. The daily water production from the system is 1 gallons / 3.7 liters per minute, 60 gallon 220 liters per hour and a running time of 3 + hours per day. This system does require outside 12-volt electrical power; there is no need for chemical additives to be added to the water.

These Stationary, Wall Mount 12 volt Powered Water Purification Systems pull the water from the source and through a 5.0 micron **Sediment Pre-Filter**. The water is then pushed through a **Carbon Block Polishing Filter** that has the capabilities of removing **Giardia and Cryptosporidium Cysts, Entamoeba and Toxoplasma Cysts, Herbicides, Pesticides, Trihalomethanes (THMs), certain Volatile Organic Chemicals (VOCs), Chlorine and Chlorine By-Products, Sediment, Bad Taste, Odors, Color, Smell, and many other Harmful Chemicals and Contaminants** down to a 0.5 micron. The polished filtered water is then channeled past an **Ultraviolet Light Disinfecting Process** that has the ability to kill **Bacteria, Viruses, Typhoid Fever, Coliform, Dysentery, Cholera, Infectious Jaundice, Hepatitis and Influenza Virus, E-coli, Enteric Fever** and many other unwanted microorganisms to a 99.999% purity.

Life expectancy of the Carbon Block Filter with clean incoming water is 10,000 gallons or 1 year.
The Ultraviolet Light life expectancy under normal usage is 12 to 18 months.

The SWP-S1 system is **16" wide x 18" long x 7" deep** and has an **approximate weight of 25 lbs.**
This System is mounted on a powder coated aluminum frame style design.

This system comes in 3 different powered models:

Villager S1 production rate is 1 gallon (3.7 liters) per minute, up to 100 gallons (370 liters) per day.

Villager S1E: Larger solar panels & battery powered operating capabilities with 12-volt electrical outlets and a bright light. We can design for your needs.

This System is approved for **air shipments** inside and outside the continental United States.
All water contact components carry a **NSF Approval Rating** and the ultraviolet light carries a **Certificate of Analysis**.
The filter and UV light manufacturers are members of the **Water Quality Association**.

SEDIMENT FILTER

Removes ground water sediment and protects the carbon block filter from premature clogging. Not washable. **APPROXIMATE FILTER LIFE EXPECTANCY depends on how dirty incoming water is or 1 year maximum.**

0.5 micron CARBON BLOCK with CYSTS AND VOC'S REDUCTION

Removes and reduces giardia lamblia and cryptosporidium cysts, entamoeba and toxoplasma cysts, volatile organic chemicals "VOC's" pesticides and herbicides, turbidity reduction, sediment, color, bad taste and odors such as hydrogen sulfide "rotten egg smell" and many other microorganisms down to a 0.5 micron. This Carbon Block Filter polishes the water crystal clear for refreshing good tasting water. This filter is made entirely from FDA-compliant materials.

APPROXIMATE FILTER LIFE EXPECTANCY 10,000 gallons / 37,000 liters or one year of clean incoming water maximum.

ULTRAVIOLET DISINFECTING LAMP

Clean, safe and natural UV light rays have the ability to kill the bacteria and virus to 99.999 % purity without any harmful side effects much like chemical agents normally added to drinking water. The ultraviolet range is ideal for killing Microorganisms such as E-coli, Coli form, Cholera, Legionnaires Disease, Hepatitis Virus, Typhoid Fever, Dysentery, Infectious Jaundice, Influenza, Enteric Fever and many other unwanted Microorganisms.

APPROXIMATE UV BULB LIFE EXPECTANCY 8000 hours, or approx 12 – 18 months.

Standard Features:

- **Size;** 16" wide x 18" long x 7" deep
- **Standard Operating Power;** Aux 12 volt Electrical Power.
- **Output Watts;** Ultraviolet Light only; approx 4 amps per hour.
- **Self Priming Water Pump;** 1 gallon / 3.7 liters per minute.
- **Weight Empty;** approx. 25 lbs.
- **Inlet Connection;** 3/8 " - Female Standard Hose / Swivel. 10 feet long.
- **Outlet Connections;** 3/8 "Male Standard Hose / Threaded. 7 feet long.
- **Rated Water Pressure;** 20 PSI minimum / 65 PSI maximum.
- **Hoses, electrical cords and all misc. fittings** included with system.
- **Ultraviolet Lamp Output;** 16,000 microwatt seconds per centimeter squared and carries a Certificate of Analysis.
- **NSF and FDA APPROVED** on filtration and water contact components.
- **Filter / UV Replacement Parts** available as kits and individually.

Options:

- **U.S. Voltage:** 120 volt to 12 volt converter.(Extra)
- **International Voltage:** 220 volt 50 Hz to a 12 volt converter:
- **Lamp Out Pump Disconnect:** (LO/PD)

Replacement Parts Kit: (RPK)

Approx. water amount produced with Replacement Parts Kit = 40,000 gallons / 148,000 liters

Quantity

- 8 - 5.0 micron Sediment Filters
- 4 - 0.5 micron Carbon Block Filters
- 1 - Ultraviolet Bulbs

Shipping Box Size:

Without Replacement Parts Kit; 22 x 18 x 12 @ 30 lbs

With Replacement Parts Kit; 24 x 20 x 18 @ 40 Lbs

We can ship this system most anywhere in the World.
Individually or Ocean Containers.

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