

VILLAGER S8 - 4

4800 gallons / 17,760 liters per day

Filtration and Ultraviolet Light Disinfection

Stationary Solar Powered Water Purification System for Remote Applications using water from WITH water pressure.



Cleaner and Safer Drinking Water from most any from City Water, Wells, Cisterns and Water Tanks

Aqua Sun manufactures the **Villager – S8 - 4** System. This system is a wall mount system and is completely automatic that can take an existing water line that is getting its water from raw water sources such as rivers, lakes and water tanks and produce approx 8 gallons / 29.60 liters per minute x 60 minutes = 480 gallons / 1,776 liters per hour x 10 hours = 4,800 gallons / 1,776 liters in a 10 hour period . □ This system will

use a solar / battery powered 12 volt system to supply its primary power needs. Whenever the sun is shining, the solar system will always be recharging the battery, even when the water treatment system is working. This system comes as a turn-key package. It is designed for easy installation as all of the wiring is pre wired and all that needs to be done is hang the water treatment system on the wall in a convenient location. Plumbing in and out of the water treatment system is easy with 10 foot inlet female hose and 10 foot outlet male hose pre-plumbed into system. The Controller Panel will need to be located with-in 3 ft of the Water Treatment System preferably in between the 2 systems. The Battery wire is prewired and will need to have the positive and negative wires connected to the battery. Mount the solar panel in a sunny location and within 25 feet of the system in a convenient sunny location. Attach the solar wires to the panel that are already prewired into the control box. Install filters and UV Lamp. Plug the UV Control Box and the Power Out Circuit Valve into the Control Panel Wire and the system is ready for operation. It is simple and easy to install the Villager S8-4 Solar / Battery Powered Water Purification Systems.

This **Villager S8-4 / Solar Battery / 12-volt Powered Water Purification Systems** requires a minimum of 20 psi of water pressure to push the water through a **Washable / Reusable Sediment Filter** which removes large particles, sticks and leaves and then through **Sediment Filter** to remove sand and sediment. 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, Schistosomiasis, 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.

We can ship our systems to almost anywhere in the world

Shipping sizes and weights for this system.

Without Replacement Parts Kit;

2 boxes 36"x 16" x 13 @ 30 lbs.

1 box 30" x 14" x 12" @ 20 lbs.

1 box 3" x 50" x 24" @ 25 lbs.

With Replacement Parts Kit; add 1 box 26" x 13" x 8" long @ 40 Lbs

This does not include battery due to weight and shipping hassles, Purchase in Country. We can send requirement specifications.

We ship individually, pallets or ocean containers.

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**.

This system comes in 4 different models: With and without water pressure.

[Villager S8-3](#) :☐ 4,800 gallons / 1,776 liters in a 10 hours. This system is for areas WITH water pressure,

minimum of 20-30 PSI water pressure, maximum 65 psi.,

no electrical power and water coming from most any from City Water, Wells, Cisterns and Water Tanks.

W

e can design for your needs.

Villager S8-4: 4,800 gallons / 1,776 liters in a 10 hours. This system is for areas WITH water pressure,

minimum of 20-30 PSI water pressure, maximum 65 psi.,

no electrical power and water coming from most any from Bore Holes or Tube Wells, Rivers, Lakes and Water Tanks or Fresh Water Sources.

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Villager S12-3 : 7,200 gallons / 26,640 liters in a 10 hours. This system is for areas WITH water pressure,

minimum of 20-30 PSI water pressure, maximum 65 psi.,

no electrical power and water coming from most any from City Water, Wells, Cisterns and Water Tanks.

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Villager S12-4 : 7,200 gallons / 26,640 liters in a 10 hours. This system is for areas WITH water pressure,

minimum of 20-30 PSI water pressure, maximum 65 psi.,

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Aqua Sun International is a registered **DEPARTMENT OF DEFENSE CENTRAL CONTRACTOR**, an approved **UNITED NATIONS SUPPLIER**, and a member of the **AMERICAN SOLAR ENERGY SOCIETY (ASES)**

The filter and UV light manufacturers are members of the **Water Quality Association**.

Aqua Sun International located in Minden, Nevada U.S.A. engineered and designed the Villager line of solar water purification systems starting back in 1993 and is the original / only manufacturer of this system.

All designs, product literature and names are Copyrighted 1998 – 2010 and Trademarked.

Filtration Components:

WASHABLE / REUSABLE □ Pre-FILTER

Removes river and lake water particles such as leaves, twigs, sediment and protects the sediment pre-filter from premature clogging. This filter is easily washed and cleaned when clogged.

APPROXIMATE FILTER LIFE EXPECTANCY depends on how dirty incoming water is or 1 year maximum.

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

Removes and reduces giardia lamblia and cryptosporidium cysts, volatile organic chemicals "VOC's" pesticides and herbicides, benzene, 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.

APPROXIMATE FILTER LIFE EXPECTANCY 45,000 gallons / 165,000 liters or one year of clear incoming water.

▣ 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 Micro-organisms 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 9000 hours, or approx 2 Years.

Specifications:

Turn-Key Systems, Built-in Flexibility

Easy Set-Up, Instant Water Production

8 gallons (29 liters) per minute approx.

480 gallons (1,776 liters) per hour approx.

4,800 + gallons (17760 liters) per 10 hour day approx.

Water Source from Rivers, Lakes or Water Tanks

Pre-Plumbing and Pre-Wiring installed / connected

0.5 micron Carbon Block Filtration

Ultraviolet Light (UV) Water Disinfection System

12- volt Photovoltaic Solar Panel / Battery Powered

Control Panel: 12" tall x 9" wide x 7" deep. 15 lbs.

Solar Panel: 47" L x 21" W x 2" D x 20 lbs.

Battery: 12 volt - 13"L x 7"W x 10"D x 75 lbs.

Battery / System Running Time = 10+ hrs max.

Battery Charge Storage Life = 1+ Year

10 ft Inlet and Outlet flexible hose connections

Rated Water Pressure: 20 PSI minimum / 65 PSI maximum.

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.

Standard Features:

Size; Filters Housings and Mounting Bracket, 25" long x 18 wide x 6" deep, 2 pcs

Size; Control Panel, 28" long x 9" wide x 7" deep, 15 Lbs.

Output Watts;

- Ultraviolet Light only; 22 Watts / 1.89 amps per hour
- Self Priming Water Pump; 15 amps max per hour depending on head

Weight Empty; approx. 55 lbs. Shipping Weight Not including Battery. Battery 75 lbs.

Inlet Connection; ¾ "Female Standard Hose Threaded Port / Swivel. 10 feet long

Outlet Connections; ¾ "Male Standard Hose Threaded Ports. 10 feet long

Rated Water Pressure; 20 PSI minimum / 65 PSI maximum

Ultraviolet Lamp Output; 16,000 microwatt seconds per centimeter squared and carries a Certificate of Analysis

Hoses, electrical cords and all misc. fittings included with system

NSF and FDA APPROVED on filtration and water contact components

Filter and UV Replacement Parts Filter Kits at a discounted available

□

Options (extra fees apply):

U.S. Voltage to 12 volt; 120 volt to 12 volt electrical power converter. **\$300.00**

International Voltage to 12 volt; 220 volt 50 Hz. Uses a 220 volt 50 Hz to a 120 volt Power Step Down Transformer then the above 120 volt to 12 volt converter.
\$300.00

Lamp Out Circuit; Different UV System with Solenoid Valve, will not operate all water flow if UV light is not ON. **\$500.00**

Chlorinator Pump; This pump injects a predetermined measured amount of chlorine into the water for a residual as the water travels to the outlet supply line. **\$1,500.00**

Non Profit and Distributor Pricing available.

**For pricing, more information, or to place an order,
call us at □ (775) 783-8566
Or [click here](#) for other ways to contact us**

Here are some things people have said about the Villager Systems

To: Aqua Sun International

Dominican Republic Mission

Villager System

Hi Greg,

Thanks so much for the quick reply.

The system installation of the Villager System was in the village of "Mena" in the Dominican Republic near the Haitian border and all went very well.

I am gathering information for a similar system to install in a village in the Democratic Republic of Congo. Last year, there was a Cholera outbreak and many people died due to dehydration. In this remote area, Unicef and WHO are not able to reach the people quick enough and there is often loss of life.

So, I appreciate this information.

After we go over all of the information, we will be meeting with the leader of the mission to see if this is feasible to do in Africa.

Thanks,

Melody Ball

To: Aqua Sun International

Subject: THANK YOU

Greg: We recently attended a conference/summit in Indiana with the Parish Twinning Program. Your name and company was mentioned by our group as often as we could. Seems there is a high demand for your equipment and related materials. We told them how impressed we have been, not only with your equipment, but also with your service and advice. We talked with some ladies from Milwaukee and they are sooooo happy with the equipment they purchased from you.

I will write more at a later date, however wanted to give you a heads up in the event you hear from some of the groups we talked to. We will also forward your web site and email address to the head quarters of the Twinning group.

We want to THANK YOU again for all your help and assistance.

Thomas Reichert

Sec. Friends of the Children