

GBT-UV

GBT-UV is designed for installation near a water source, e.g. river, well, lake or water container. It eliminates and filters:

- Bacterias
- Chlorine resistant bacterias
- Parasites (Bilharzia, Giardia, Cryptosporidium)
- Air and unpleasant tastes
- Virus
- Amoebas
- Humus
- Particles
- Chlorine

The water first passes through the humus filter and then through two different cartridge filter comprising a particle filter and an active carbon filter. The water then passes through a UV chamber type Sterilight VT1. The products are delivered complete with solar panels and aluminum chassis.



Powered by solar cells

GBT is powered by solar cells, 200W, offering maximum current of 11A, when the solar cells are exposed with full sunlight. The energy is stored on a 100 Ah AGM lead battery.

The figures below are based on 10 hours of sunlight per day. Power consumption during operation is 8,5A.

Charging current (full sunlight): Bottled water 2.5A, non-bottled water 11A.

Power	Maximum run-time	Total volume water
Solar power 10-hour sunlight	13 hours/day	7,800 liters / day
Power source (7A charger supplied)	19,5 hours/day	11,700 liters/day
Power source (10A charger optional)	24 hours/day	14,400 liters/day

Trojan UV system for disinfection of water, safely and effectively without chemicals

Since 1976, Trojan has been the leading manufacturer of UV systems for effective disinfection without toxic chemicals.

UV - the natural alternative - is safe and effective. UV eliminates in a simple way the risk of becoming ill from water contaminated by bacteria. It provides safe water to drink and to use for food production.

Highly efficient UV lamps

The UV radiation is generated by a low-pressure lamp with high intensity. It is the same type of light used for larger installations in industrial processes and in municipal water plants.

Unique design of the radiation chamber

UVmax unique design of the radiation chamber for optimum hydraulic performance and maximum disinfection effect. Tests carried out have shown that in the data evaluating chamber, water is exposed for maximum exposure.