

If you find yourself without a reliable AC source of power, yet need a simple method of purifying your water supply, an OutbackWater low voltage DC UV systems is just the answer. Available in both 12 and 24 volt DC power, the low voltage systems have flow rates of 3, 6 and 10 gallons a minute - making them an ideal fit for someone living off the grid, for use with a recreational vehicle or boat, or to use in an emergency or disaster situation.

They are proven to effectively eliminate microbiological water borne contaminants such as bacteria, cysts and virus at greater than 99.99%.

The 12 & 24 volt DC systems are part of the large family of UV products Outback Water has to offer.

System Warranty

- Reactor Chamber: ten (10) year limited warranty
- Electronics: three (3) year limited warranty
- UV Lamps: one (1) year limited warranty
- Quartz Sleeve: one (1) year limited warranty

System Features

1. Flow rate 6 gallons per minute based on standard of 30 mJ/cm² at 95% UVT.
 2. Removal of greater than 99.99% bacteria, cysts, virus, and deactivation of... [UV Dosage Requirements](#).
 3. 24 Volt DC power.
 4. Low pressure 254 nm UV lamp manufactured with proprietary Long Life +coating ensures a consistent UV output.
 5. The most environmentally friendly UV lamps on the market - each lamp containing less than 10mg of mercury (including amalgam) which is up to 30% less than leading competitors.
 6. Lamps provide the required output over the entire 9,000 hour life span.
 7. Axial flow reactor chambers allow easy lamp/sleeve service with no need to drain the water from the chamber.
 8. Polished 304 stainless steel reactor chamber.
 9. Reactor chamber manufactured to ASME pressure vessel standards.
 10. Color user interface with full diagnostics and warning indicators including QR codes.
 11. Splash proof controller with constant current electronic ballast.
 12. 1/2" MNPT connections for quick and easy installation.
 13. Open end quartz sleeve for optimum operating temperature.
 14. True gland seal retaining nut with positive stop.
 15. Quick ¼" turn of gland nut making lamp and sleeve series quick and easy.
 16. IEP (infinite expandability port) for future upgrades and options.
 17. Sensor port for future up-grades. Comes standard with integral visual glow plug.
 18. 254 nm Teflon based UV sensor with 4-20 mA output capabilities and solenoid ready capabilities (optional).
 19. Parameters: Hardness <7 gpg, Iron <.3 ppm, Manganese <.5 ppm, Turbidity <1 NTU, Tannins <.1ppm
- CRITICAL:** ALL UV systems MUST be pretreated with a 5 micron filter to ensure maximum efficiency of the system. DO NOT: connect plastic pipe or tubing directly to the UV system. The UV light can, over time, cause the plastic connection to become fragile and break down. It is recommended to make connections using Dielectric Unions. This makes for a connection of stainless steel to copper which will not corrode over time.