

OutbackWater UV point of entry purification systems are specifically designed to treat microbiologically contaminated water. The Outback disinfection systems offer a 4-log reduction (99.99%) of bacteria, virus and cysts (such as Giardia Lamblia and Cryptosporidium).

The Outback UV sterilization process is simple, quick, cost effective as well as being environmentally friendly - with no chemicals added to the water being treated - thus eliminating any chance of creating disinfection by-products. The Outback UV system is one of the most economical ways a person can ensure a safe supply of water.

Our systems meet a wide range of applications including residential, light commercial, TOC reduction, hot water installations, low UVT, NSF standard 55 class A & B and more.

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 21 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. UV greater than 85%, if lower than 80% contact OutbackWater for pre-treatment recommendations.
4. Low pressure 254 nm UV lamps are all manufactured with proprietary "Long Life +" coating which ensures a consistent UV output and uniform temperature distribution over the life span of the lamp.
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" 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 upgrade comes 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.