

Outback Water offers a line of specialty UV purification systems to address difficult water treatment applications. The LBH5-251-TOC-OB system is one designed to handle water with high levels of total organic carbon. TOC's are particularly undesirable in high purity systems in such industries as pharmaceutical & electronics because they serve as a food source and support bacterial growth - which can interfere with downstream processes.

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 5 gallons per minute based on standard of 150 mJ/cm² at 98% UVT
2. Removal of greater than 99.99% bacteria, cysts, virus, and deactivation of... [UV Dosage Requirements](#).
3. Universal power supply 90—265 Volt and 50/60 Hertz.
4. High Output 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 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 10,000 hour life span.
7. Axial flow reactor chambers allow easy lamp/sleeve service without the need to drain the water from the chamber.
8. Polished 316L 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 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.