

# ULTRAVIOLET SYSTEMS



## BETTERLIFE™ SYSTEM 2 SOFTENING RESIN WITH UV STERILIZATION



Safe Water Technologies' patented BetterLife™ system is the flagship of the SWT product line. There is no other water treatment system available for the whole house that compares. A computerized controller meters the water flow for optimal cost savings. The ion exchange portion of the system utilizes ProSoft™ Resin as the primary layer. These cation exchange units are designed to remove calcium and magnesium (hardness) and a host of other cations from the water stream. The ultraviolet design adds bacteriological safeguards to your water supply.

### BetterLife™ System 2 Includes:

- ProSoft™ Premium cation exchange resin
- 10 gpm stainless steel ultraviolet chamber
- 30,000  $\mu\text{w sec/cm}^2$  UV dosage
- Computer controlled and metered valve
- Chlorastick™ pipe sanitizing kit
- Corrosion-free system

### BetterLife™ System 2 with UV Sterilization

Part Number	Tank Size Inches	Softening Capacity		Service Flow Rate		Backwash 50% Exp. @ 50°F	Standard Connection Size*
		10 lbs. Salt/Cu.Ft.	15 lbs. Salt/Cu.Ft.	Standard	Peak		
BL2L-100	10 x 47	29,000 gr.	33,000 gr.	5 gpm	10 gpm	2.0 gpm	3/4" Copper Swet
BL2L-175	12 x 48	51,000 gr.	57,000 gr.	8 gpm	10 gpm	3.7 gpm	3/4" Copper Swet

### High Sediment & Rural Applications (Ssystem Includes Option BLS-R: 10 Micron Pre-filter & 20 inch Clear Housing)

BL2L-100R	10 x 47	29,000 gr.	33,000 gr.	5 gpm	10 gpm	2.0 gpm	3/4" Copper Swet
BL2L-175R	12 x 48	51,000 gr.	57,000 gr.	8 gpm	10 gpm	3.7 gpm	3/4" Copper Swet

International voltages available at additional cost.

\* 1 inch connections and threaded adapters available on request.

### Options and Upgrades

Part Number	Description
BLS-R	10 Micron Pleated Pre-filter with 20 inch Clear, Bypass Housing <i>(Highly Recommended For Rural Applications)</i>
BLS-C	Whole House Carbon Cartridge Assembly Includes 20 inch Big Blue Housing, Big Blue GAC Cartridge, and Bracket
BLS-P	1 Micron, Absolute Post-filter Assembly For Cryptosporidium and Giardia Cyst Removal
BLS-E	Instant Start Electronic Ballast (Auto-detects 50/60 Hz)
BLS-A	Controller Board with Lamp Status LED, Audible Alarm, and Solenoid Valve Hook-up
BLS-S	Solenoid Valve Assembly — Requires Upgraded Electronic Ballast

Resin substitutions are available: Nitrate, Tannin, etc.

**WARNING AND DISCLAIMER:** Ultraviolet treatment, chlorinating, or any other form of sanitation of contaminated water, are never 100% guaranteed for bacteriological-free water, but are EPA approved methods of water sanitation which add greatly to protection against waterborne pathogens. Proper ultraviolet sterilization is an instantaneous process which destroys 99.97% of pathogens and leaves no UV residual in the water. Periodic monitoring of the water supply and of the downstream piping system sanitation is recommended to help guard against downstream contamination or accidentally contaminated water bypass. Ultraviolet sterilization and/or chlorine, is **not recommended and should not be used** for cyst treatment.

# ULTRAVIOLET SYSTEMS



## BETTERLIFE™ SYSTEM 2 SOFTENING RESIN WITH UV STERILIZATION

### Replacement Parts

Part Number	Description
IL10001	Ultraviolet Lamp
CF73210	10 Micron Pleated Sediment Cartridge (2.5 x 20 inch Pre-filter)
AH-PPBB201	1 Micron Absolute Pleated Cartridge for Cryptosporidium and Giardia Cysts (4.5 x 20 inch Post-filter)
APS-CSRA	Replacement Chlorastick™ Pipe Sanitizing Module
IL30001	Quartz Sleeve
UL-118RS	Red Silicone O-Ring for Quartz Sleeve
EC-LL68	Safety Spring
MA-15515343	Granular Activated Carbon Cartridge for Big Blue Housing (4.5 x 20 inch)



#### Chlorastick™ Pipe Sanitizing Kit (Included)

Contains:

- Lever Action, Brass Ball Valves
- Quick Release, Union Fittings with O-Ring Seals
- Disposable Chlorine Chamber
- Sch 80 PVC Replacement Pipe



#### Pre-filter Assembly (Optional)

Contains:

- 20 inch Clear Housing with Built-in Bypass and 0.75 inch NPT
- 2.5 x 20 inch Pleated Cartridge with 10 Micron Filtration
- Spanner Wrench
- Wall Mount Bracket



#### Post-filter Assembly (Optional)

Contains:

- 20 inch Big Blue Sump with Pressure Relief and 0.75 inch NPT
- 4.5 x 20 inch Pleated Cartridge with 1 Micron Filtration for Giardia Cysts
- Spanner Wrench
- Wall Mount Bracket

### Additional Specifications — BetterLife™ System 2

Shipping Dimensions (Inches):

**BL2L-100:** 17 x 13 x 58 @ 95 lbs. / Brine Tank: 18 x 16 x 37 @ 30 lbs.

**BL2L-175:** 17 x 13 x 59 @ 145 lbs. / Brine Tank: 18 x 16 x 37 @ 30 lbs.

Operating Pressure: 20 to 125 PSI

Operating Temperature: 36 to 120°F (2 to 48.9°C)