

# 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<br><i>(Highly Recommended For Rural Applications)</i> |
| BLS-C       | Whole House Carbon Cartridge Assembly<br>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.

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### 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)