

## Troubleshooting Chart

| Problem                     | Cause   | Corrective Action   |
|-----------------------------|---|---|
| No display                  | No power to unit                              | Check that power cord is plugged into an operating electrical outlet.   |
|                             | Mains Switch in Off position                  | Check that Mains Switch on the rear of the unit is in the On position.  |
| No heating                  | Set point lower than bath temperature         | Check set point temperature; increase as required.  |
|                             | Bath temperature above High Limit temperature | Verify that High Limit temperature is higher than current set point temperature; adjust as required (see page 7). |
|                             | Liquid level in bath is too low               | Check that liquid level is at least 2 inches (5.08 cm) above bottom of tank; add fluid as required.               |
| Insufficient heating        | Improper line voltage                         | Check that line voltage meets specifications.   |
|                             | Recent change in set point or heat load       | Allow sufficient time for bath temperature to stabilize when changes in heat load or set point are made.          |
|                             | Bath cover not in place                       | Check that bath cover is in place.  |
| Inaccurate bath temperature | Incorrect calibration                         | Adjust Calibration Offset as required (see page 9).   |

## Technical Information

### Performance Specifications

Working Temperature: Ambient +5°C to 100°C (ambient +10° to 212°F)  
60°C (140°F) without cover

Temperature Uniformity: ±0.2°C @ 37°C (±0.4°F @ 98.6°F)

Temperature Stability: ±0.1°C (±0.2°F)

| Reservoir Size | Reservoir Dimensions<br>(L x W x D)       | Heater Wattage | Electrical Requirements |                   |
|----------------|---|----------------|-------------------------|-------------------|
|                |   |                | 120 V, 60 Hz            | 240 V, 50 Hz      |
| 2 liter        | 3.9 x 4.3 x 6"<br>9.9 x 10.9 x 15.2 cm    | 120            | WB02**1*<br>1.1 A       | WB02**2*<br>0.5 A |
| 5 liter        | 5 x 10.8 x 6"<br>12.7 x 27.4 x 15.2 cm    | 360            | WB05**1*<br>3.3 A       | WB05**2*<br>1.6 A |
| 10 liter       | 10.6 x 11.6 x 6"<br>26.9 x 29.5 x 15.2 cm | 1000           | WB10**1*<br>8.6 A       | WB10**2*<br>4.5 A |
| 20 liter       | 9.5 x 17.5 x 5"<br>24.1 x 44.5 x 15.2 cm  | 1400           | WB20**1*<br>12.0 A      | WB20**2*<br>6.0 A |
| 28 liter       | 9.5 x 17 x 8"<br>24.1 x 43.2 x 20.3 cm    | 1400           | WB28**1*<br>12.0 A      | WB28**2*<br>6.0 A |

### Environmental Conditions

Indoor use only  
 Maximum Altitude: 2000 meter  
 Operating Ambient: 5° to 40°C (41° to 104°F)  
 Relative Humidity: 80%, non-condensing  
 Installation Category: II  
 Pollution Degree: 2