

# Hot Tub Troubleshooting Tip

## Poor Water Quality

### Causes:

**Imbalanced pH levels:** When the pH levels are too high or too low, it can cause the water to become cloudy or dirty.

- **Inadequate sanitization:** Not using enough sanitizer can lead to bacteria and algae growth.
- **Poor filtration:** Dirty or old filters can reduce the effectiveness of water circulation and cleaning.
- **Contaminants:** Body oils, lotions, and environmental debris can all affect water quality.

### Solutions:

#### Regularly test & adjust water chemistry:

- pH Levels:** Ensure the pH is within the ideal range of 7.2-7.8. Use pH increasers or decreasers as necessary
- Alkalinity:** Keep total alkalinity between 80-120 ppm to stabilize pH levels.
- Sanitizer Levels:** Maintain appropriate levels of chlorine, bromine, or other sanitizers to kill bacteria and algae.

#### 2. Clean or replace filters:

- Cleaning:** Rinse the filters with a hose weekly and use a filter cleaner monthly.
- Replacement:** Replace filters every 12-24 months or as recommended by the manufacturer.

#### 3. Use spa shock treatments:

- Oxidizing shock:** Use non-chlorine shock treatments weekly to eliminate contaminants.
- Chlorine shock:** Use chlorine-based shock treatments occasionally to deep clean the water.

#### 4. Minimize contaminants:

- Shower before use:** Encourage users to rinse off body oils & lotions before entering the hot tub.
- Cover the hot tub:** Use a hot tub cover when not in use to prevent debris from entering the water.



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