



If your hot tub loses power during freezing conditions, it's important to act quickly to prevent the water and plumbing from freezing. One effective temporary solution is to use a submersible utility pump to generate heat inside the tub until power is restored.

Below are **general emergency guidelines**. Specific recommendations may vary based on tub size and conditions

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### Emergency Freeze Protection (During Power Outage)

#### Recommended Pump

- Use a **1/2 to 3/4 HP submersible utility pump**
  - Smaller tubs may use a **1/3 HP pump**
- The pump should be **all plastic or all stainless steel**
- Harbor Freight commonly carries suitable models
- Most pumps sold at Home Depot or Lowe's are typically **not appropriate** for this use

#### Setup Instructions

1. If the pump has a discharge hose, **remove it** (or do not install one).
2. Place the pump directly in the **foot well area** of the hot tub.
3. Plug the pump into a working power source (generator or alternate outlet).
4. **Close the hot tub cover** and allow the pump to run **continuously (24/7)** until normal power is restored.

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### How This Prevents Freezing

Submersible utility pumps are **water-cooled**. When run continuously, the heat produced by the motor transfers into the water and can keep the tub well above freezing—even in sustained cold weather. In many cases, this method can raise water temperatures significantly over time.

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### Proven Equipment

- The **Drummond 3/4 HP stainless steel submersible pump** has shown excellent results in real-world freeze situations.

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### Important Notes

- Some newer **low-amp or "energy-efficient" pumps** do not generate enough heat and may **not** prevent freezing.
- This method is intended as a **temporary emergency measure**, not a long-term replacement for normal heating and circulation.
- If conditions are extreme or you are unsure which pump to use, please contact us as soon as possible.

If you experience a power outage in freezing weather and have questions, don't hesitate to reach out. Acting early can prevent costly freeze damage.

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