**Step by Step Pumpout Instruction**

1. Ensure the **valve** is in a closed position.
2. Activate the pump using on/off control.
3. Remove the **deck waste fitting** cover from the boat.
4. Connect suction hose to the **deck waste fitting**.
   - If using a universal rubber nozzle fitting, press firmly into the **deck waste fitting**.
   - If using a quick connect fitting, thread male adapter into the **deck waste fitting** and attach the **female coupler**.
5. Slowly open the **valve** and observe flow through the **sight glass**.
6. When the waste tank is empty, disconnect the suction hose from the **deck waste fitting**.
7. Flush the suction hose with lake water for 30 seconds.
8. Return the **valve** to the closed position.
9. Deactivate the pump using on/off control and return the suction hose.

**Troubleshooting**

If the hose nozzle does not seal or lock to the deck fitting during pumpout, readjust and firmly hold the nozzle in place.

If a flow does not occur within 30 seconds, place suction hose fitting into the lake water. If you can now see a flow of lake water through the sight glass this means that the problem is onboard and not with the pumping equipment. Possible problems could include:

- Vent obstruction onboard boat.
- Inadequate connection to boat.

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**Trouble Pump It Out!**

**A Guide to Marine Sanitation Systems**

**Utah State Parks Boating Program**

For More Information:

- U.S. Coast Guard
  uscgboating.org
- U.S. Fish and Wildlife Service
  fws.gov
- Utah State Parks & Recreation
  stateparks.utah.gov

**Pumpout Locations North to South:**

- **Bear Lake State Park** (435) 946-3343
- **Willard Bay State Park** (435) 734-9494
- **Pineview Reservoir**
  Ogden Ranger District (801) 625-5112
- **Flaming Gorge National Recreation Area**
  (435) 789-1181
- **Cedar Springs Marina** (435) 889-3795
- **Lucerne Valley Marina** (435) 784-3483
- **Great Salt Lake State Park**
  (801) 250-1898
- **Jordanelle State Park** (435) 649-9540
- **Utah Lake State Park** (801) 375-0731
- **Strawberry Reservoir**
  (435) 548-2261
- **Lake Powell**
  (928) 608-6200

**Marinas:**

- Dangling Rope (928) 691-0206
- Halls Crossing (435) 684-7000
- Wahweap (928) 645-1027
- Bullfrog (435) 684-3062

**Manual Pump Stations:**

- Warm Creek Bay
- Dominguez Butte
- Rock Creek Bay
- Escalante Bay
- Rincon Bay
- Good Hope Bay

**Funded by U.S. Fish and Wildlife Sport Fish Restoration Fund**

Image: Courtesy of © Keco Pump & Equipment

Website: www.pumpahead.com
Marine Sanitation Device Equipped with a Y-valve

Types of Marine Sanitation Devices
Marine toilets must be a Type I, Type II, or Type III U.S. Coast Guard-certified Marine Sanitation Device (MSD).

- Type III MSDs hold waste for onshore or dockside pumpout. Type III MSDs do not require modification in Utah.
- Type I and Type II MSDs discharge treated waste into the water. This is illegal in Utah and violators can be fined over $1,000.
- Some Type I and Type II MSDs are equipped with a Y-valve that can be used in Utah when properly modified.

Maintenance
- **Hose nozzle suction:** Achieve the best pumpout suction by keeping the ventilation system clear of cobwebs and debris through regular dusting.
- **Avoid hard water buildup:** Pour a pint of white vinegar down the toilet slowly by giving it a few single flushes every 4 to 5 minutes. After the vinegar has passed through the system, flush a gallon of water down to further flush the lines.
- **Summer:** Do not let waste accumulate in holding tanks all summer before pumping out.
- **Winter:** Follow boat manufacturer’s instructions for winterizing your toilet and engine.

Holding Tank Preparation
- **Follow boat manufacturer’s instructions for pre-treatment of holding tanks.**
- **Prior to pumping out,** flush a generous amount of water into the holding tank. More water will loosen the tank’s contents and ease pumpout.
- **Liquid waste only needs a single flush.**
- **Solid waste requires 3 to 4 flushes.**

How to Modify a Y-valve
The Y-valve must be secured with a physical barrier that prevents all discharges.

Adequate modification includes:
- Removing the valve handle.
- Using a padlock.
- Using a non-releasable wire tie.

Waste discharge (illegal in Utah)

Water intake

Drainage to pumpout

Y-valve

The Clean Water Act
The Clean Water Act is a federal law that sets wastewater standards and monitors the discharge of pollutants into waters of the United States.

How the Clean Water Act Effects You
- Nobody wants to boat, swim, or fish in sewage-infested waters.
- When you dump sewage into the water, it is damaging to human and animal health.
- Water pollution can easily collect in stagnant areas of water, which are present in many of Utah’s lakes and reservoirs.

Pump it! Don’t dump it!
Onboard sewage management is not an enjoyable matter to think about, but is an important part of maintaining your boat’s system and your own health.