

Waterco HydroStorm 2.0 Horsepower

Waterco HydroStorm 2.0 Horsepower Impeller Instruction Manual

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your Waterco HydroStorm 2.0 Horsepower Impeller. The impeller is a critical component within your pool pump, responsible for creating the centrifugal force that moves water through your filtration system. Proper installation and maintenance are crucial for the efficient and safe operation of your pool pump. This impeller is designed for use with Waterco HydroStorm, HydroStorm Plus, and HydroStorm Star series pumps requiring a 2.0 horsepower impeller.

2. SAFETY INFORMATION

WARNING: Always disconnect power to the pump at the circuit breaker before attempting any installation, maintenance, or repair. Failure to do so can result in serious injury or death.

- Ensure the pump is completely drained and depressurized before opening any part of the housing.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, during installation and maintenance.
- If you are unsure about any part of the installation or repair process, consult a qualified pool technician.
- Keep children and pets away from the work area.

3. INSTALLATION

3.1 Pre-Installation Checks

- Verify that the new impeller matches the specifications of your existing impeller and pump model (Waterco HydroStorm 2.0 HP).
- Ensure the pump is completely powered off and isolated from the electrical supply.

- Gather necessary tools, which typically include screwdrivers, wrenches, and possibly a seal kit.

3.2 Installation Steps

1. **Disconnect Power:** Turn off the circuit breaker supplying power to the pool pump.
2. **Drain Pump:** Open the drain plugs on the pump housing to completely drain all water.
3. **Disassemble Pump:** Carefully remove the pump motor from the wet end (volute) of the pump. This usually involves removing bolts or clamps. Refer to your specific pump's instruction manual for detailed disassembly steps.
4. **Remove Old Impeller:** Once the motor is separated, access the old impeller. It is typically threaded onto the motor shaft. You may need to hold the motor shaft stationary while unthreading the impeller. Note the direction of rotation for removal.
5. **Inspect and Clean:** Inspect the motor shaft for any damage or corrosion. Clean any debris from the pump housing and motor shaft area.
6. **Install New Impeller:** Thread the new Waterco HydroStorm 2.0 Horsepower Impeller onto the motor shaft. Ensure it is securely tightened, but do not overtighten.
7. **Reassemble Pump:** Reassemble the pump by reversing the disassembly steps. Ensure all gaskets and O-rings are properly seated and lubricated (if recommended by the pump manufacturer) to prevent leaks.
8. **Test System:** Once fully reassembled, open all necessary valves, prime the pump, and restore power. Carefully check for any leaks or unusual noises during initial operation.



This image shows the Waterco HydroStorm 2.0 Horsepower Impeller from an angled perspective, highlighting its vanes and central bore, which connects to the pump motor shaft.



This image displays the Waterco HydroStorm 2.0 Horsepower Impeller in a side profile, illustrating its thickness and the shaft connection point, crucial for proper fitment.

4. OPERATION

The Waterco HydroStorm 2.0 Horsepower Impeller is an internal component of your pool pump. Its operation is directly tied to the pump's motor. When the pump motor is activated, the impeller spins rapidly, drawing water into the pump's center and expelling it outwards through centrifugal force, thus creating the necessary pressure and flow for your pool's circulation and filtration system. Ensure your pump is always operated according to the manufacturer's guidelines, maintaining proper water levels and clean baskets to prevent damage to the impeller and other pump components.

5. MAINTENANCE

Regular maintenance of your pool pump, including the impeller, is essential for longevity and efficient performance.

- **Visual Inspection:** Periodically inspect the impeller (during routine pump maintenance or when the pump is disassembled) for signs of wear, cracks, or damage. Debris can sometimes get lodged in the impeller vanes.
- **Cleaning:** If accessible, gently remove any debris (leaves, hair, small stones) that may have bypassed the pump basket and become lodged in the impeller. Use a soft brush or water spray; avoid harsh chemicals or sharp objects that could damage the impeller material.
- **Replacement:** The impeller should be replaced if it shows significant wear, cracks, or if the pump's performance (e.g., water flow, pressure) consistently declines despite other troubleshooting efforts. A damaged impeller can lead to reduced efficiency and increased energy consumption.

6. TROUBLESHOOTING

If you experience issues with your pool pump, the impeller could be a contributing factor. Always perform basic pump troubleshooting first, such as checking skimmer and pump baskets for clogs, and ensuring proper water levels.

- **Reduced Water Flow/Pressure:** If the pump is running but water flow is significantly reduced, the impeller might be clogged with debris, worn out, or damaged.
- **Unusual Noises:** Grinding, rattling, or scraping noises from the pump could indicate that debris is caught in the impeller, or the impeller itself is damaged and rubbing against the pump housing.
- **Pump Not Priming:** While often related to air leaks in the suction line, a severely damaged or improperly installed impeller can also prevent the pump from priming effectively.

For comprehensive troubleshooting, always refer to the main instruction manual for your specific Waterco HydroStorm pump model.

7. SPECIFICATIONS

Specification	Detail
Product Type	Impeller
Brand	Waterco
Model Compatibility	HydroStorm, HydroStorm Plus, HydroStorm Star
Horsepower Rating	2.0 HP
Product Dimensions	5.25 x 5.25 x 2.65 inches
Item Weight	1 pound
Manufacturer	Waterco
ASIN	B01MZFEQF9

8. WARRANTY AND SUPPORT

This Waterco HydroStorm 2.0 Horsepower Impeller is typically covered by the manufacturer's standard warranty for replacement parts. Please refer to the warranty documentation provided with your original Waterco pump or contact Waterco directly for specific warranty terms and conditions.

For technical support, replacement parts, or warranty claims, please contact Waterco customer service or your authorized Waterco dealer. Always provide your product model number and purchase date when seeking support.

Waterco Contact Information: Please visit the official Waterco website for the most current contact details and support resources.