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› Acquaer 1/3 HP Submersible Water Pump 2160GPH Sump Pump Instruction Manual

## Acquaer AUP (UTP033-2)

# Acquaer 1/3 HP Submersible Water Pump 2160 GPH Sump Pump Instruction Manual

Model: AUP (UTP033-2)

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Acquaer 1/3 HP Submersible Water Pump. Please read these instructions thoroughly before use and retain them for future reference. This pump is designed for draining water from various areas such as swimming pool covers, basements, pits, ponds, window wells, rain barrels, or other flooded areas. It is also suitable for irrigation, garden watering, and car washing.

## 2. SAFETY INFORMATION

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**WARNING: To reduce the risk of electric shock, be certain that the pump is connected only to a properly grounded, grounding-type receptacle.**

- Always disconnect the pump from the power source before handling, servicing, or performing any maintenance.
- Do not operate the pump with a damaged cord or plug. If the cord is damaged, it must be replaced by the manufacturer or a qualified service agent to avoid hazards.
- Ensure the electrical outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for outdoor or wet location use.
- Do not use the pump to handle flammable or explosive liquids, or in environments containing such substances.
- Keep children and pets away from the pump and the area being drained during operation.
- Never run the pump dry. Ensure the pump is fully submerged in water before starting to prevent damage.
- The pump is designed for water only. Do not use it for chemicals, oils, or other corrosive liquids.
- Do not lift the pump by its power cord. Use the integrated handle for transport.

## 3. PRODUCT OVERVIEW

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The Acquaer Submersible Water Pump is a high-efficiency utility pump designed for reliable water removal. It

features a durable thermoplastic construction and a powerful motor.

## Key Features:

- **Excellent Draining Performance:** 1/3 HP motor, up to 2160 Gallons Per Hour (36 GPM) at 5ft, lifts water up to 33.5 ft.
- **Reinforced Materials:** Thermoplastic body for durability and corrosion resistance.
- **Portable Design:** Unique ergonomic handle, compact size, and lightweight for easy portability.
- **Detachable Screen & Adapter:** Bottom screen filters debris, removable for cleaning. Includes 3/4" garden hose adapter and 1-1/4" NPT discharge.
- **Safety Guarantee:** Oil-filled permanent split capacitor motor, built-in automatic thermal overload protector. UL certified.

## Components:



**Figure 3.1:** Key components of the Acquaer Submersible Water Pump. This image highlights the portable handle for easy carrying, the durable thermoplastic body, the stable and sturdy base, and the 10-foot power cord for convenient reach.

# REMOVABLE INIET SCREEN



Thermoplastic  
Impeller



Screen Filters Out  
Debris or Leaf



Easy to Clean



Filter Debris as Leaf or Stone,  
Protect Pump From Damage

**Figure 3.2:** The removable inlet screen and thermoplastic impeller. The screen is designed to filter out debris such as leaves or small stones, protecting the pump from damage. It is also easy to detach for cleaning.

# MULTIPLE ADAPTER OPTIONS



**Figure 3.3:** Multiple adapter options for the pump. The pump features a 1-1/4 inch NPT discharge for higher flow rates and includes a 3/4 inch garden hose adapter for connecting standard garden hoses.

## 4. SETUP

- 1. Placement:** Position the pump on a stable, level surface in the area to be drained. Ensure the pump is fully submerged in water before operation. The sturdy base provides stability.
- 2. Hose Connection:**
  - For standard garden hoses, attach the provided 3/4" garden hose adapter to the pump's discharge port.
  - For higher flow applications, connect a hose directly to the 1-1/4" NPT discharge port. Ensure all connections are secure to prevent leaks.
- 3. Power Connection:** Connect the 10 ft power cord to a properly grounded 115 Volt electrical outlet. For outdoor or wet use, ensure the outlet is GFCI protected.
- 4. Initial Check:** Before starting, verify that the pump is stable, the hose is securely attached and directed to a suitable drainage area, and the power cord is free from damage.

## 5. OPERATING INSTRUCTIONS

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The Acquaer submersible pump is designed for straightforward operation.

1. **Submerge the Pump:** Place the pump into the water to be drained. Ensure the water level is sufficient to cover the pump's inlet screen. The pump can remove water down to 1/4 inch of the surface.
2. **Connect Power:** Plug the pump's power cord into a grounded 115V outlet. The pump will begin operating immediately.
3. **Monitor Operation:** Observe the pump's operation to ensure water is being discharged effectively. The pump runs quietly and stably.
4. **Disconnect Power:** Once the desired water level is reached or the area is drained, unplug the pump from the power source to stop operation.
5. **Remove Pump:** Carefully remove the pump from the water using its handle.

### Applications:

# WIDELY APPLICATIONS



**Figure 5.1:** Wide range of applications for the Acquaer Submersible Water Pump. This pump is suitable for draining swimming pools, watering gardens, managing water levels in ponds, and even for tasks like car washing.

# Acquaer

## Submersible Utility Pump



High Speed Flow



Corrosion Resistant



Low Noise



Figure 5.2: The pump in action, draining a swimming pool. Its submersible design allows for efficient water removal from various depths.



### UTP033-2 SPECIFICATION

Voltage <b>115V/60HZ</b>	Horse Power <b>1/3HP</b>
Amps <b>4A</b>	MAX. Head(ft) <b>33.5ft</b>
MAX. Flow(GPH) <b>2160</b>	Discharge(in) <b>1-1/4in</b>
Power cord length(ft) <b>10</b>	Low Suction(in) <b>1/4in</b>

Model UTP033-2	GPH of water @ Total FT. of Head					Max Head 33.5ft
	5ft	10ft	15ft	20ft	25ft	
	2160	1950	1700	1450	1100	

Figure 5.3: The pump being used to manage water in a rain barrel, demonstrating its utility for water transfer or drainage from containers.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump.

- Cleaning the Inlet Screen:** Periodically inspect the detachable bottom screen for debris such as leaves, dirt, or small stones. Disconnect power, remove the screen, and clean it thoroughly with water. Reattach securely before next use.
- Hose Inspection:** Check the discharge hose for kinks, blockages, or damage. Ensure a clear path for water flow.
- Storage:** When not in use, especially during freezing temperatures, drain all water from the pump and hose. Store the pump in a dry, protected area where it will not freeze.
- Power Cord:** Inspect the power cord and plug for any signs of wear, cuts, or damage before each use.

## 7. TROUBLESHOOTING

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Refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Pump does not start or run.	No power; tripped circuit breaker/GFCI; clogged inlet screen; thermal overload activated.	Check power connection and outlet; reset breaker/GFCI; clean inlet screen; allow pump to cool if thermal overload activated.
Pump runs but delivers no water or low flow.	Inlet screen clogged; discharge hose kinked or blocked; air lock; insufficient water level.	Clean inlet screen; clear hose obstruction; ensure pump is fully submerged and primed; ensure adequate water level.
Pump cycles on and off frequently.	Water level too low; air in the system.	Ensure sufficient water level for continuous operation; check for air leaks in connections.
Pump is noisy or vibrates excessively.	Debris in impeller; pump not stable; worn components.	Disconnect power and inspect/clean impeller; ensure pump is on a stable surface; contact service if components are worn.

## 8. SPECIFICATIONS

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Detailed technical specifications for the Acquaer 1/3 HP Submersible Water Pump.

<b>Specification</b>	<b>Value</b>
Model	AUP (UTP033-2)
Horsepower	1/3 HP
Voltage	115 Volts
Amperage	3.5 - 4.0 Amps
Maximum Flow Rate	2160 GPH (36 GPM)
Maximum Lifting Height	33.5 Feet
Discharge Size	1-1/4" NPT (includes 3/4" Garden Hose Adapter)
Power Cord Length	10 Feet
Material	Thermoplastic, Copper
Product Dimensions (L x W x H)	6.17" x 6.17" x 9.27"
Item Weight	9.92 Pounds
Certifications	UL Certified

# 1/3HP UTILITY SUBMERSIBLE PUMP



UTP033-2	1/3	115V	4.0A	1-1/4	33.5
Model	HP	Voltage	AMP	Discharge NPT(IN)	Max.Head (ft)



Low Noise



All Plastic



Lightweight



Corrosion-Resistant



Automatic Thermal  
Overload Protector



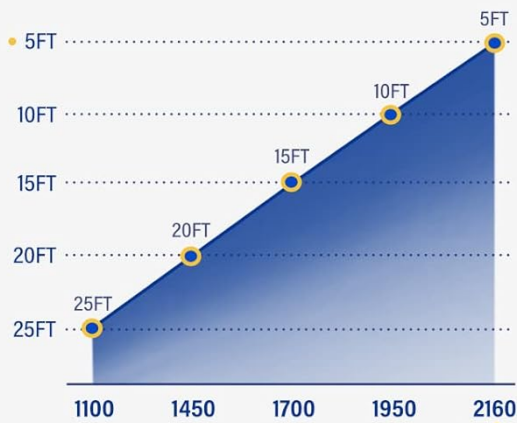
**Figure 8.1:** Visual representation of the pump's key specifications and features. This includes its model number, horsepower, electrical ratings, discharge size, maximum head, and highlights its low noise operation, thermoplastic construction, lightweight design, corrosion resistance, and built-in thermal overload protection.

# POWERFUL MOTOR



MAX. HEAD (FT): 33.5FT

MAX. FLOW (GPH): 2160



GPH of water @ Total FT. of Head



**Figure 8.2:** Performance curve showing the pump's maximum head and flow rate. This graph demonstrates the pump's capacity to move water at various vertical lift heights, indicating a flow of 2160 GPH at 5 feet of head and decreasing flow as the head increases up to 33.5 feet.

## 9. WARRANTY AND SUPPORT

The Acquaer Submersible Water Pump comes with a 1-year warranty from the date of purchase, covering manufacturing defects and workmanship.

For any concerns, questions, or technical assistance, please do not hesitate to contact our Service Team. We are committed to providing support and addressing any issues within 24 hours.

Contact information for support can typically be found on the product packaging or the official Acquaer website.