

## User Manual

2603000D

# Submersible Utility Pump

## Model 260



### NOTICE

Installer: Manual must remain with owner/operator.

Prior to installation, record information from pump nameplate for future reference:

7000 Apple Tree Avenue  
Bergen, NY 14416  
ph: 800-543-2550  
fax: 585-494-1839  
www.LibertyPumps.com

Keep this manual handy for future reference.

For replacement manual, visit LibertyPumps.com, or contact Liberty Pumps at 800-543-2550.

Retain dated sales receipt for warranty.

Model: \_\_\_\_\_

Serial: \_\_\_\_\_





Mfg Date: \_\_\_\_\_

Install Date: \_\_\_\_\_

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## Safety Guidelines

	This safety alert symbol is used in the manual and on the pump to alert of potential risk for serious injury or death.
	This safety alert symbol identifies <b>risk of electric shock</b> . It is accompanied with an instruction intended to minimize potential risk of electric shock.
	This safety alert symbol identifies <b>risk of fire</b> . It is accompanied with an instruction intended to minimize potential risk of fire.
	This safety alert symbol identifies <b>risk of serious injury or death</b> . It is accompanied with an instruction intended to minimize potential risk of injury or death.
<b>⚠ DANGER</b>	Warns of hazards which if not avoided <b>will</b> result in serious injury or death.
<b>⚠ WARNING</b>	Warns of hazards which if not avoided <b>could</b> result in serious injury or death.
<b>⚠ CAUTION</b>	Warns of hazards which if not avoided <b>could</b> result in minor or moderate injury.
<b>NOTICE</b>	Signals an important instruction related to the pump. Failure to follow these instructions could result in pump failure or property damage.

**⚠ WARNING** Read every supplied manual before using pump system. Follow all the safety instructions in manual(s) and on the pump. Failure to do so could result in serious injury or death.

## Safety Precautions

### **⚠ WARNING** **RISK OF ELECTRIC SHOCK**

- Always disconnect the pump from power source before attempting to service the pump. Fatal electrical shock could occur.
- The pump shall be plugged into a properly fused electrical outlet with a ground fault circuit interrupter (GFCI) that conforms to current National Electric Code (NEC) and all applicable local codes. All wiring must be performed by qualified personnel.
- Do not handle or unplug pump with wet hands, when standing on a wet/damp surface, or in water. Fatal electrical shock could occur.

- Pump shall be properly grounded using its supplied grounding conductor. Do not bypass grounding wires or remove ground prong from attachment plugs. Failure to properly ground the pump system can cause all metal portions of the pump and its surroundings to become energized.
- Do not lift or carry the pump by its power cord. This will damage the power cord, and could expose the electrically live wires inside the power cord.
- Do not use this product in applications where human contact with the pumped fluid is common (such as swimming pools, fountains, marine areas, etc.).
- Protect the power and control cords from the environment. Unprotected power and control (switch) cords can allow water to wick through ends into pump or switch housings, causing surroundings to become energized.

### **⚠ WARNING** **RISK OF FIRE**

- Do not use an extension cord to power the product. Extension cords can overload both the product and extension cord supply wires. Overloaded wires will get very hot and can catch on fire.
- Do not use to pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc. Do not use in flammable and/or explosive atmosphere. Sparks could ignite flammable liquids.

### **⚠ WARNING** **RISK OF SERIOUS INJURY OR DEATH**

- Do not modify the pump/pump system in any way. Modifications may affect seals, change the electrical loading of the pump, or damage the pump and its components.
- Do not allow children to play with the pump.
- Do not allow any person who is unqualified to have contact with this pump system. Any person who is unaware of the dangers of this pump system, or has not read this manual, can easily be injured by the pump system.
- Do not remove any tags or labels from the pump or its cord.
- Keep clear of suction and discharge openings. To prevent injury, never insert fingers into pump while it is connected to a power source.
- Secure the discharge line before starting the pump. An unsecured discharge line under pressure may whip. Serious injury or death could result.
- Disconnect power, drain all liquids, and release all pressure within the system before servicing any component.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

### **⚠ CAUTION**

- ◆ This pump has been evaluated for use with water only.

### **NOTICE**

- ◆ Do not run pump dry.
- ◆ Do not allow pump to freeze.
- ◆ Water temperature must not exceed 120°F (49°C).
- ◆ Not for use with potable water or food products.
- ◆ Do not use this product to pump salt water or brine as this will void the warranty.

## General Information

Before use, read the following instructions carefully. Closely following these instructions will eliminate potential operating problems, assuring years of trouble-free service.

This submersible utility pump is designed for many different pumping requirements such as: draining stock tanks, window wells, flat roofs, and cisterns. On a flat surface, the pump will pump down to within 1/8" of the pumping surface. Submersible utility pumps are intended to pump clean or dirty water at temperatures up to 120° F.

Do not install the pump on clay, dirt, mud or sand surfaces. Clean the area to be pumped. Grass, mud, sand or pea gravel can clog the pump and reduce its performance.

For continuous operation, the pump must be submerged to prevent the motor from overheating. If this occurs, the pump will shut itself off until the motor cools to its normal temperature. Repeated overheating may cause damage to the pump.

The normal performance that can be expected is shown in Table 1.

Table 1. Pump Head (Lift Height)

Pumping Height [ft]	0	5	10	15	20	25	30
Gallons/min	17	16	14	12	9	5	0

## Operation

**IMPORTANT:** The pump requires at least 2" of water to prime.

1. Use the discharge thread adapter on the pump to attach a garden hose. 1/2" and 3/4" barb fittings are also included with the pump for use with 1/2" and 3/4" flexible hose.
2. Set the pump on a hard surface in water.
3. Plug the power cord into a properly grounded GFCI electrical outlet of a 15 Amp minimum branch circuit.

The pump will operate continuously whether partly or fully submerged.

Table 2. Troubleshooting Matrix

Problem	Possible Cause	Corrective Action
Pump will not run or hum.	Tripped circuit breaker, tripped GFCI, blown fuse, or other interruption of power.	Reset tripped circuit breaker; reset GFCI; replace blown fuse with properly sized fuse; check that unit is securely plugged in; investigate power interruption; if voltage is under 108V, check wiring size; remove extension cord if connected.
	Plug on power cord may not be making contact in receptacle.	Check security and connection. If receptacle is corroded, have it replaced by a certified electrician.
	Thermal overload tripped.	Wait for pump to cool to operating temperature.
Pump runs but removes very little water.	Total head (lift height) is beyond pump's capability.	Route discharge line to a lower level. If this isn't possible then a larger pump may be required. Model 260 has a maximum lift capability of 30'.
	Inlet screen of pump is plugged or the impeller is jammed.	Remove the pump screen and clean inlet and impeller.

## Maintenance and Troubleshooting

### **⚠️ WARNING** **RISK OF ELECTRIC SHOCK**

- Always disconnect the pump from power source before attempting to service the pump. Fatal electrical shock could occur.

### **Maintenance**

This pump is designed to effectively pump water. Although it will usually pass small particles suspended in water, debris such as grass, heavy mud, sand, or pea gravel can clog the pump and reduce the pump's performance. This can usually be cleaned out by back-flushing with a garden hose through the discharge.

Liberty Pumps, Inc. assumes no responsibility for damage or injury due to disassembly in the field. Disassembly, other than at Liberty Pumps, Inc. or its authorized service centers, automatically voids warranty.

### **Troubleshooting**

If the pump fails to operate properly, carefully reread the instructions to see that they have been correctly followed. If operating problems persist, refer to Table 2.

Table 2. Troubleshooting Matrix (Cont.)

Problem	Possible Cause	Corrective Action
Pump runs or hums but does not remove water.	Discharge line may be blocked or frozen.	Check discharge line for foreign material, including ice if discharge line passes through or into cold areas.
	Total head (lift height) is beyond pump's capability.	Route discharge line to a lower level. If this isn't possible then a larger pump may be required. Model 260 has a maximum lift capability of 30'.
	Inlet screen of pump is plugged or the impeller is jammed.	Remove the pump screen and clean inlet and impeller.
	Anti-airlock hole is plugged with debris.	Clean out anti-airlock hole at base of discharge tower.
	Pump failed to prime due to insufficient water depth.	Prime pump by placing it in a bucket of water or move it to a deeper area of flooded region.
Circuit breaker trips or fuse blows when pump starts.	Fuse or breaker is too small.	Use a 15 Amp breaker.
	Other major appliance is on the same circuit.	Pump should be on its own circuit.
	Pump is connected to an extension cord or wiring is inadequate.	Have an electrician check for proper wiring.
	Defective motor or switch.	Consult factory.

## Warranty

### **Liberty Pumps Wholesale Products Limited Warranty**

Liberty Pumps, Inc. warrants that Liberty Pumps wholesale products are free from all factory defects in material and workmanship for a period of three (3) years from the date of purchase (excluding batteries). The date of purchase shall be determined by a dated sales receipt noting the model and serial number of the pump. The dated sales receipt must accompany the returned pump if the date of return is more than three years from the date of manufacture noted on the pump nameplate.

The manufacturer's sole obligation under this Warranty shall be limited to the repair or replacement of any parts found by the manufacturer to be defective, provided the part or assembly is returned freight prepaid to the manufacturer or its authorized service center, and provided that none of the following warranty-voiding characteristics are evident:

The manufacturer shall not be liable under this Warranty if the product has not been properly installed, operated, or maintained per manufacturer instructions; if it has been disassembled, modified, abused, or tampered with; if the electrical cord has been cut, damaged, or spliced; if the pump discharge has been reduced in size; if the pump has been used in water temperatures above the advertised rating; if the pump has been used in water containing sand, lime, cement, gravel, or other abrasives; if the product has been used to pump chemicals, grease, or hydrocarbons; if a non-submersible motor has been subjected to moisture; or if the label bearing the model and serial number has been removed.

Liberty Pumps, Inc. shall not be liable for any loss, damage, or expenses resulting from installation or use of its products, or for indirect, incidental, and consequential damages, including costs of removal, reinstallation or transportation.

There is no other express warranty. All implied warranties, including those of merchantability and fitness for a particular purpose, are limited to three years from the date of purchase. This Warranty contains the exclusive remedy of the purchaser, and, where permitted, liability for consequential or incidental damages under any and all warranties are excluded.



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