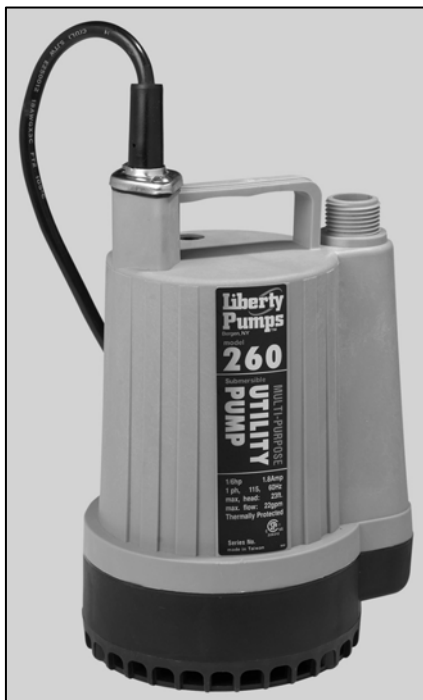


# Liberty Pumps®

## Installation Manual

2603000B

## Model 260 Submersible Utility Pump



### Contents

- 1.) General Information
- 2.) Operation
- 3.) Troubleshooting
- 4.) Maintenance

#### IMPORTANT:

Prior to installation, record Model, Serial Number, and Code Number from pump nameplate for future reference.

MODEL \_\_\_\_\_

SERIAL \_\_\_\_\_

CODE \_\_\_\_\_

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# 1 General Information

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

**⚠ WARNING** **Risk of electric shock.** The pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, install only on a circuit protected by a ground-fault circuit-interrupter. Always disconnect the pump from the power source before handling or making adjustments. Always wear rubber boots when servicing in wet areas. Make sure the pump power source is a separately fused, grounded 3-wire type receptacle of 15-amp capacity. **DO NOT REMOVE GROUND PRONG OR PLUG. DO NOT USE AN EXTENSION CORD.** Check to make sure installation is in accordance with the National Electric Code and all applicable local codes. Installation and servicing are to be conducted by qualified personnel.

**⚠ WARNING** DO NOT pump flammable liquids  
DO NOT use around explosive materials  
DO NOT handle unit with wet hands or while standing in water  
DO NOT lift the pump by the power cord

**⚠ CAUTION** DO NOT connect to any voltage other than that listed on the nameplate  
DO NOT use in water over 120°F  
DO NOT modify the pump in any way  
DO NOT expose pump or discharge to freezing temperatures

DO NOT use this product to pump salt water or brine. Use with salt water or brine will void the warranty. Pump water only.

# 2 Operation

- A. Use the discharge thread on the pump to attach a garden hose. 1/2" and 3/4" barb fittings are included with the pump for use with 1/2" and 3/4" flexible hose.
- B. Set the pump on a hard surface in water.
- C. Plug the power cord into a properly grounded 120 volt, 60 Hz, AC power outlet of a 15 amp minimum branch circuit (see recommended grounding methods in section 1). The pump will operate continuously whether partly or fully submerged. Submersible utility pumps are intended to pump clean or dirty water at temperatures up to 120° F.
- D. This submersible utility pump is designed for many different pumping requirements such as draining stock tanks, window wells or flat roofs and cisterns. On a flat surface the pump will pump down to within 1/8" of the pumping surface. **\*Note that the pump requires at least 2 inches of water to prime.**
- E. Do not install the pump on clay, dirt, mud or sand surfaces and clean the area to be pumped. Grass, mud, sand or pea gravel can clog the pump and reduce its performance.

- F.** 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.
- G.** Your pump is designed to effectively pump water. Although it will usually pass small particles suspended in water, 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. The normal performance that can be expected is as follows:

Model	Pumping Height	0'	5'	10'	15'	20'	25'	30'
260	Gallons/min	16	15	14	12	9	5	0

# 3 Troubleshooting

Problem	Cause	Correction
Pump will not run or hum.	<ul style="list-style-type: none"> <li>Blown fuse or other interruption of power; improper voltage.</li> </ul>	<ul style="list-style-type: none"> <li>If blown, replace with properly sized fuse or reset breaker; if voltage is under 108V, check wiring size. Remove extension cord if connected.</li> </ul>
	<ul style="list-style-type: none"> <li>Plug on power cord may not be making contact in receptacle.</li> </ul>	<ul style="list-style-type: none"> <li>Check security and connection. If receptacle is corroded, have it replaced by a certified electrician.</li> </ul>
Pump runs or hums but does not remove water.	<ul style="list-style-type: none"> <li>Discharge line may be blocked or frozen.</li> </ul>	<ul style="list-style-type: none"> <li>Make sure line doesn't pass through cold areas or isn't blocked.</li> </ul>
	<ul style="list-style-type: none"> <li>Vertical lift is beyond pump's capability.</li> </ul>	<ul style="list-style-type: none"> <li>Model 260 has a maximum lift of 30' Total Dynamic Head.</li> </ul>
	<ul style="list-style-type: none"> <li>Inlet screen of pump is plugged or the impeller is jammed.</li> </ul>	<ul style="list-style-type: none"> <li>Remove the pump screen and clean inlet and impeller.</li> </ul>
	<ul style="list-style-type: none"> <li>Anti-airlock hole is plugged with debris.</li> </ul>	<ul style="list-style-type: none"> <li>Clean out anti-airlock hole at base of discharge tower.</li> </ul>
	<ul style="list-style-type: none"> <li>Pump failed to prime due to insufficient water depth</li> </ul>	<ul style="list-style-type: none"> <li>Prime pump by placing it in a bucket of water or move it to a deeper area of flooded region.</li> </ul>
Pump runs but removes very little water.	<ul style="list-style-type: none"> <li>Pump has met or exceeded its maximum lift.</li> </ul>	<ul style="list-style-type: none"> <li>Route discharge piping to a lower level. If this isn't possible then a larger pump may be required.</li> </ul>
	<ul style="list-style-type: none"> <li>Vertical lift is approaching pump's maximum lift capability.</li> </ul>	<ul style="list-style-type: none"> <li>Model 260 has a maximum lift capability of 30'.</li> </ul>
	<ul style="list-style-type: none"> <li>Pump's inlet is partially blocked.</li> </ul>	<ul style="list-style-type: none"> <li>Remove volute and make sure inlet is clear of debris.</li> </ul>
Circuit breaker trips or fuse blows when pump starts.	<ul style="list-style-type: none"> <li>Fuse or breaker is too small.</li> </ul>	<ul style="list-style-type: none"> <li>A 15-amp breaker should be used.</li> </ul>
	<ul style="list-style-type: none"> <li>Other major appliance is on the same circuit.</li> </ul>	<ul style="list-style-type: none"> <li>Pump should be on its own circuit.</li> </ul>
	<ul style="list-style-type: none"> <li>Pump is connected to an extension cord or wiring is inadequate.</li> </ul>	<ul style="list-style-type: none"> <li>Have an electrician check for proper wiring.</li> </ul>
	<ul style="list-style-type: none"> <li>Defective motor or switch.</li> </ul>	<ul style="list-style-type: none"> <li>Consult factory.</li> </ul>

# 4

## Maintenance

**⚠ WARNING Risk of electric shock.** Always disconnect the pump from the power source before handling or making adjustments.

If the unit fails to operate properly, carefully reread the instructions to see that they have been correctly followed. If operating problems persist, the preceding chart may be of assistance in identifying and correcting them.

NOTICE: 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.

### 2 Year Limited Warranty

Liberty Pumps, Inc. warrants that pumps of its manufacture are free from all factory defects in material and workmanship for a period of 2 years from the date of purchase. 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 2 years from the "CODE" (date of manufacture) number noted on the pump nameplate.

The manufacturer's 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; 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, or water containing sand, lime, cement, gravel or other abrasives; if the product has been used to pump chemicals or hydrocarbons; if a non-submersible motor has been subjected to excessive moisture; or if the label bearing the serial, model and code 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 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 two 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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