

## BJM Pumps R100-115

# BJM Pumps R100-115 Submersible Dewatering Pump User Manual

Model: R100-115

## INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your BJM Pumps R100-115 submersible dewatering pump. Please read this manual thoroughly before using the pump and retain it for future reference. Proper adherence to these instructions will ensure optimal performance and extend the lifespan of your pump.

## SAFETY INFORMATION

**WARNING: Failure to follow these safety instructions could result in electric shock, fire, serious injury, or death.**

- Always disconnect the pump from the power source before performing any maintenance, cleaning, or inspection.
- Ensure the power supply matches the voltage rating of the pump (115 Volts).
- Do not operate the pump with a damaged power cord or plug. Replace immediately if damaged.
- Never handle the pump or its power cord with wet hands.
- This pump is designed for dewatering applications. Do not use it for pumping flammable liquids, corrosive chemicals, or sewage.
- Keep children and unauthorized personnel away from the operating pump.
- Ensure the pump is placed on a stable, level surface during operation to prevent tipping.
- Do not run the pump dry. Ensure it is fully submerged in water during operation to prevent overheating and damage.

## PRODUCT OVERVIEW

The BJM Pumps R100-115 is a compact and efficient submersible dewatering pump designed for light dewatering tasks. Its robust construction includes a 304 stainless steel motor housing, making it suitable for various water conditions, including salt water.



An image showing the BJM Pumps R100-115 submersible dewatering pump. It is dark green with a black handle and a white discharge port at the top. The BJM Pumps logo is visible on the side of the pump body.

## Key Features:

- 1.25-inch Top Discharge
- 3/4-inch Garden Hose Adapter included
- 304 Stainless Steel Motor Housing
- Salt Water Compatible
- Light Dewatering Capability
- No integrated float switch (manual operation or external control required)

## SETUP

1. **Unpacking:** Carefully remove the pump from its packaging. Inspect for any signs of damage during transit.
2. **Discharge Hose Connection:**
  - Attach a 1.25-inch discharge hose to the top discharge port of the pump. Secure it with a hose clamp (not included) to prevent leaks.
  - Alternatively, use the provided 3/4-inch garden hose adapter for connecting a standard garden hose.
  - Ensure the discharge hose is routed away from the area to be dewatered and leads to a suitable drainage point.
3. **Placement:** Position the pump in the lowest point of the area to be dewatered. Ensure the pump is stable and upright. The pump must be fully submerged in water during operation.
4. **Power Connection:** Connect the pump's power cord to a grounded 115 Volt electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for safety.

## OPERATING INSTRUCTIONS

The BJM Pumps R100-115 does not include an integrated float switch, meaning its operation is manual or requires an external control device.

- Initiating Operation:** Once the pump is properly set up and submerged, plug the power cord into the GFCI-protected 115V outlet to start the pump.
- Monitoring:** Observe the pump's operation to ensure water is being discharged effectively. The pump should run smoothly without excessive noise or vibration.
- Stopping Operation:** Unplug the pump from the electrical outlet to stop its operation. Do not allow the pump to run dry for extended periods, as this can cause damage.
- Continuous Operation:** For continuous dewatering, ensure the pump remains submerged. If the water level drops below the pump's intake, unplug it immediately.

## MAINTENANCE

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

- After Each Use:**
  - Disconnect power.
  - Rinse the pump thoroughly with clean water to remove any debris, especially if used in salt water or dirty conditions.
  - Inspect the intake screen for blockages and clean as necessary.
- Periodic Inspection:**
  - Check the power cord and plug for any cuts, abrasions, or damage.
  - Ensure all connections are secure.
  - Inspect the pump housing for cracks or damage.
- Storage:** When not in use, store the pump in a clean, dry, and frost-free location.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start.	No power; tripped GFCI; clogged impeller.	Check power connection and outlet; reset GFCI; disconnect power and clear impeller.
Pump runs but no water is discharged or flow is low.	Clogged intake screen or discharge hose; air lock; pump not fully submerged.	Disconnect power and clear blockages; ensure pump is fully submerged; prime pump if necessary.
Pump makes excessive noise.	Debris in impeller; pump running dry; worn bearings.	Disconnect power and clear debris; ensure pump is submerged; contact service if noise persists.

If troubleshooting steps do not resolve the issue, contact qualified service personnel.

## SPECIFICATIONS

<b>Model</b>	R100-115
<b>Horsepower (HP)</b>	0.15 HP
<b>Voltage</b>	115 Volts
<b>Rated Amps</b>	2 Amps
<b>Discharge Size</b>	1.25 inches
<b>Maximum Head</b>	20 feet
<b>Maximum GPM</b>	24 GPM
<b>Cable Length</b>	33 feet
<b>Material</b>	304 Stainless Steel (Motor Housing)
<b>Item Weight</b>	9 lbs
<b>Float Switch</b>	No (Manual operation or external float switch required)

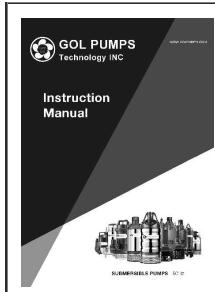
## WARRANTY AND SUPPORT

Specific warranty terms and conditions for the BJM Pumps R100-115 are typically provided at the point of purchase or directly by the manufacturer. Please refer to your purchase documentation or contact BJM Pumps directly for detailed warranty information.

For technical support, spare parts, or service inquiries, please contact the manufacturer or your authorized dealer. Keep your model number (R100-115) and purchase date readily available when seeking assistance.

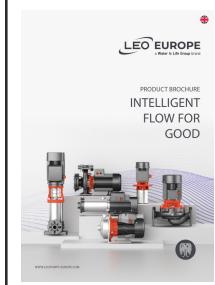
## Related Documents - R100-115

	<p><a href="#">Zoeller Mighty-Mate Series Submersible Effluent/Dewatering Pumps - Technical Data Sheet</a></p> <p>Technical specifications, performance curves, and model comparison for Zoeller Mighty-Mate Series submersible effluent and dewatering pumps (Models 53, 55, 57, 59).</p>
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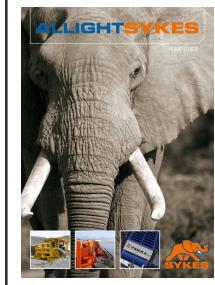
### [GOL PUMPS Instruction Manual: Submersible Pumps](#)

Comprehensive instruction manual for GOL PUMPS submersible pumps, detailing safety, installation, operation, maintenance, troubleshooting, and parts lists for various models. Includes information on electrical connections, voltage conversion, and regulatory compliance.



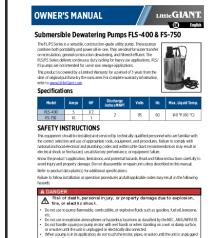
### [LEO Europe Product Brochure: Intelligent Flow for Good - Comprehensive Pump Solutions](#)

Explore the extensive range of LEO Europe water pumps, including jet, centrifugal, submersible, and booster pumps. This product brochure details specifications, applications, and innovative solutions for domestic, industrial, and agricultural use. Discover intelligent flow for good.



### [Sykes Pump Guide: Comprehensive Fluid Handling Solutions](#)

Explore the extensive range of Sykes pumps, including Compressor Prime, Vacuum Prime, Himax, Xtra, Quiet Solution (QS), and Yakka series. Discover their features, applications in mining, construction, and industrial sectors, and detailed specifications. Learn about Sykes' commitment to quality, engineering, and customer service.



### [Little Giant FLS-400 & FS-750 Submersible Dewatering Pumps Owner's Manual](#)

Comprehensive owner's manual for Little Giant FLS-400 and FS-750 submersible dewatering pumps, covering specifications, safety instructions, installation, maintenance, and troubleshooting.



### [Alfa Romeo Spider 1989 Edition Workshop Manual](#)

Comprehensive workshop manual for the Alfa Romeo Spider, 1989 Edition. Provides detailed instructions for tune-up, repair, overhaul, disassembly, assembly, checks, inspections, and troubleshooting.