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> GARDENA 2-in-1 Submersible Pump 20000 BASIC User Manual

Gardena 09018-47

GARDENA 2-in-1 Submersible Pump 20000 BASIC User Manual

Model: 09018-47 | Brand: Gardena

1. PRODUCT OVERVIEW

The GARDENA 2-in-1 Submersible Pump 20000 BASIC is a versatile and robust pump designed for both clean and dirty water applications. It features a powerful motor and a float switch for automatic operation, making it ideal for draining flooded basements, emptying ponds, or transferring water.

- **Dual Functionality:** Efficiently pumps both clean water (down to 1 mm residue) and dirty water with particles up to 35mm.
- **High Performance:** Achieves a flow rate of up to 20,000 liters per hour.
- **Automatic Operation:** Equipped with a float switch for automatic on/off based on water level.
- **Durable Construction:** Features a stainless steel pump shaft for extended life and reliability.





Figure 1: The GARDENA 2-in-1 Submersible Pump 20000 BASIC, showcasing its compact design and integrated float switch.

2. SAFETY INFORMATION

Please read and understand all safety warnings and instructions before operating the pump. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect the pump from the power supply before handling, cleaning, or performing any maintenance.
- Ensure the power supply voltage matches the pump's rated voltage (230 Volts).
- Do not operate the pump if the power cord or plug is damaged.
- Never lift or carry the pump by its power cord.
- Keep children and pets away from the operating pump.
- Do not use the pump for flammable, corrosive, or explosive liquids.
- Ensure the pump is fully submerged during operation to prevent overheating.

3. SETUP

Follow these steps for initial setup of your GARDENA submersible pump:

1. **Unpack:** Carefully remove the pump and all accessories from the packaging. Inspect for any damage.
2. **Hose Connection:** Attach a suitable discharge hose to the pump's outlet. The pump supports various hose diameters. Ensure a secure, leak-free connection.
3. **Positioning:** Place the pump on a stable, level surface in the area to be drained. Ensure the pump is fully submerged in water before starting.
4. **Float Switch Adjustment:** Adjust the float switch cable length to control the pump's automatic on/off levels. A shorter cable means the pump will switch on and off with smaller water level fluctuations.
5. **Power Connection:** Plug the pump into a grounded electrical outlet. Ensure the outlet is protected by a Residual Current Device (RCD) if operating outdoors or in wet conditions.



Figure 2: The pump with a discharge hose securely connected, ready for operation.

4. OPERATING

The GARDENA 2-in-1 pump can handle both clean and dirty water. Its operation is primarily controlled by the float switch.

- **Automatic Operation:** Once plugged in and submerged, the pump will automatically start when the water level rises and lifts the float switch. It will stop when the water level drops and the float switch falls.
- **Manual Operation:** For continuous operation or to drain water to the lowest possible level (1mm for clean water), the float switch can be secured in an upright position. Refer to the specific instructions in your product packaging for securing the float switch.
- **Clean Water Mode:** For draining clean water, the pump can achieve a very low residual water level of approximately 1 mm. This is ideal for drying out flat surfaces.
- **Dirty Water Mode:** The pump is capable of handling dirty water containing particles up to 35 mm in diameter. This makes it suitable for flooded areas with debris.



Figure 3: The GARDENA pump effectively draining dirty water from a flooded area.



Figure 4: The pump demonstrating its ability to remove water, leaving minimal residue on a surface.

5. MAINTENANCE

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

- **Cleaning:** After each use, especially with dirty water, rinse the pump thoroughly with clean water. Remove any debris or foreign objects from the pump intake and impeller area.
- **Inspection:** Periodically inspect the power cord, plug, and float switch for any signs of damage or wear.
- **Storage:** When not in use, store the pump in a dry, frost-free location. Ensure it is clean and free of water to prevent freezing damage.
- **Winterization:** If storing for extended periods in cold climates, ensure all water is drained from the pump to prevent damage from freezing.

6. TROUBLESHOOTING

If you encounter issues with your pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Pump does not start	No power supply; Float switch not activated; Impeller jammed.	Check power connection/outlet; Ensure water level is high enough to lift float switch; Disconnect power and clear any debris from impeller.
Low flow rate	Hose kinked or blocked; Impeller partially blocked; Pump not fully submerged.	Straighten hose/clear blockage; Disconnect power and clear impeller; Ensure pump is fully submerged.
Pump runs continuously	Float switch stuck in 'on' position; Water level not dropping below 'off' level.	Check float switch for obstructions; Ensure pump can drain water effectively.

If problems persist, contact GARDENA customer support.

7. SPECIFICATIONS

Detailed technical specifications for the GARDENA 2-in-1 Submersible Pump 20000 BASIC:

Feature	Specification
Brand	Gardena
Model Number	09018-47
Voltage	230 Volts
Wattage	550 W
Maximum Flow Rate	20,000 Liters Per Hour
Max. Particle Size (Dirty Water)	35 mm
Min. Water Residue (Clean Water)	1 mm
Material	Stainless Steel (pump shaft)
Item Weight	12.87 pounds (approx. 5.84 kg)
Product Dimensions	92.91 x 87.01 x 135.04 inches (approx. 23.6 x 22.1 x 34.3 cm)



6 kg / 13.2 lbs

Figure 5: Key dimensions of the GARDENA 2-in-1 Submersible Pump.



20000 l/h
max.

9 m/
0,9 bar
max.

550 W

Ø 38 mm
max.

2 in 1

Figure 6: Visual representation of the pump's 2-in-1 capability and performance metrics like flow rate and power.

8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty card included with your purchase or visit the official GARDENA website. Warranty terms and conditions may vary by region.

For technical support, spare parts, or service inquiries, please contact GARDENA customer service. You can find contact details on the official GARDENA website or through your local distributor.

Visit the official [Gardena Store](#) for more products and information.

