

Grundfos COMFORT 15-14 BDT PM 99812350

Grundfos COMFORT 15-14 BDT PM 99812350 Circulation Pump User Manual

Model: COMFORT 15-14 BDT PM 99812350

1. INTRODUCTION

The Grundfos COMFORT 15-14 BDT PM 99812350 is a high-efficiency circulation pump specifically designed for domestic hot water systems. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your pump, ensuring reliable performance and energy savings.

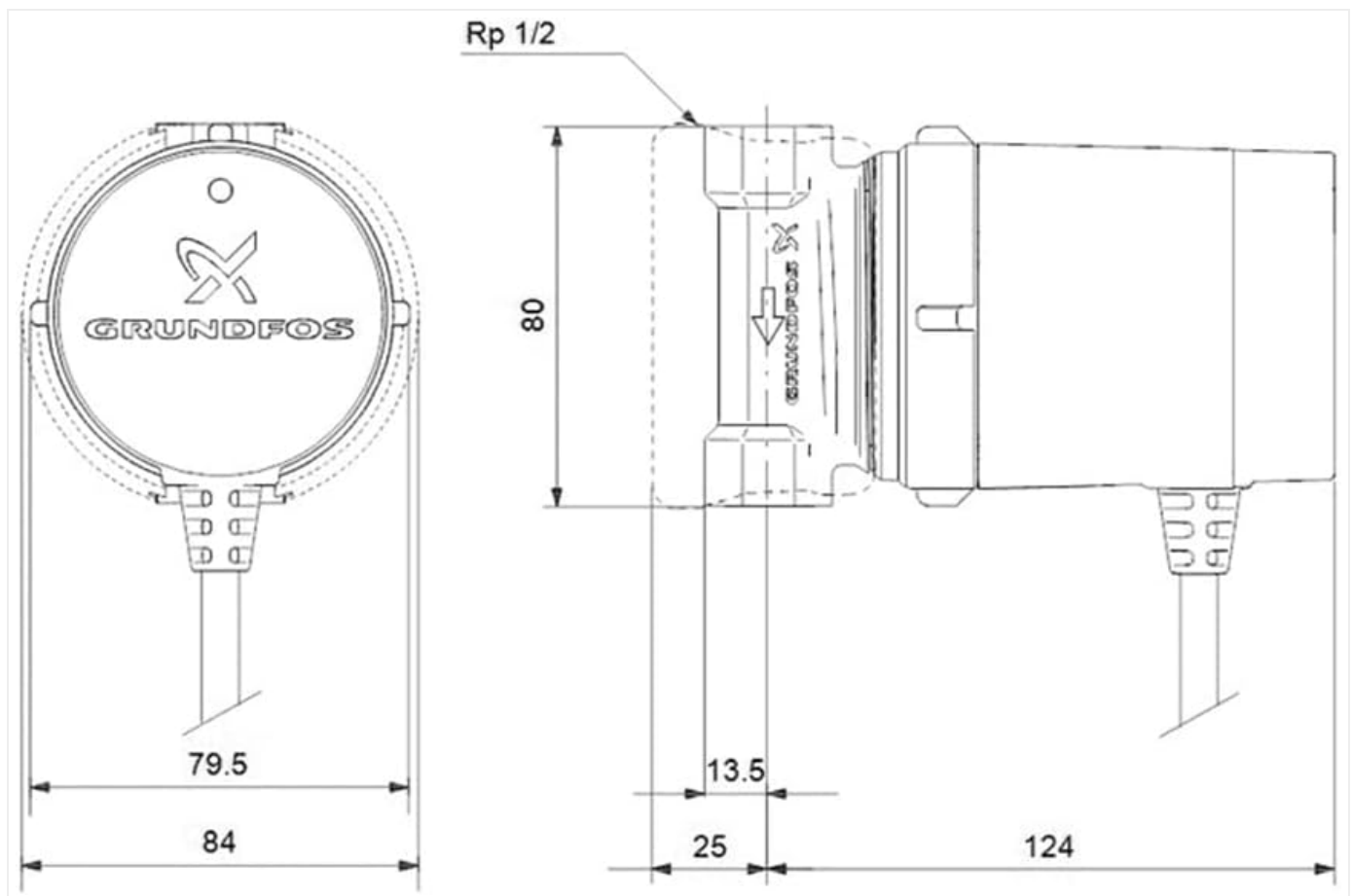
2. SAFETY INFORMATION

Read all safety warnings and instructions carefully before installing or operating the pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- Always disconnect power before performing any installation, maintenance, or service.
- Installation and electrical connections must be performed by qualified personnel in accordance with local codes and regulations.
- Ensure the pump is properly grounded to prevent electric shock.
- Do not operate the pump with damaged cables or plugs.
- Protect the pump from freezing temperatures.
- Do not use the pump for flammable or corrosive liquids.

3. PRODUCT OVERVIEW

The Grundfos COMFORT 15-14 BDT PM pump is engineered for continuous or timed circulation of domestic hot water, reducing water waste and providing instant hot water at the tap. Its compact design and robust construction ensure long-term reliability.



This diagram illustrates the physical dimensions and connection points of the Grundfos COMFORT 15-14 BDT PM pump. Key measurements include a total length of 124mm, a height of 80mm for the main body, and Rp 1/2 connections. The pump's circular head has a diameter of 84mm, with a connection width of 25mm and a pipe thread of Rp 1/2.

4. SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity. Consult a qualified plumber or electrician if you are unsure about any steps.

1. **Mounting Location:** Select a location that is easily accessible for maintenance, protected from freezing, and close to the hot water source. Ensure adequate ventilation.
2. **Pipe Connections:** Connect the pump to the domestic hot water pipes using appropriate fittings. Ensure all connections are watertight. The pump is designed for Rp 1/2 connections.
3. **Electrical Connection:** Connect the pump to a dedicated electrical circuit with proper overcurrent protection. Ensure the voltage and frequency match the pump's requirements (refer to specifications). The pump uses an electric cable for power.
4. **Priming:** After installation, ensure the system is filled with water and all air is bled from the pump and piping before starting operation.

5. OPERATING INSTRUCTIONS

The Grundfos COMFORT 15-14 BDT PM pump is designed for straightforward operation.

- **Power On/Off:** Once installed and connected, the pump will typically operate automatically based on its internal programming or external timer settings (if applicable). Refer to any specific controls on the pump for manual override or mode selection.
- **Indicator Lights:** Observe any indicator lights on the pump, which typically signal power, operation, or fault

conditions. Consult the pump's label for specific light meanings.

- **Temperature Control:** Some models may feature integrated temperature sensors or timers to optimize hot water availability and energy consumption. Adjust these settings as needed for your household's hot water demand.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the pump's lifespan.

- **Annual Inspection:** Annually inspect the pump for any signs of leaks, corrosion, or unusual noises.
- **Cleaning:** Keep the pump exterior clean and free from dust and debris to ensure proper heat dissipation.
- **System Flushing:** Periodically flush the domestic hot water system to remove sediment that could affect pump performance.
- **Winterization:** If the pump is in an area prone to freezing, ensure it is properly drained or protected during cold periods to prevent damage.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your circulation pump.

Problem	Possible Cause	Solution
Pump does not start	No power supply, tripped breaker, faulty wiring.	Check power connection, reset breaker, consult an electrician.
No hot water circulation	Air in the system, closed valves, pump blockage.	Bleed air from the system, open all necessary valves, check for obstructions.
Pump is noisy	Air in the system, cavitation, worn bearings.	Bleed air, ensure adequate water flow, contact service if noise persists.
Pump leaks	Loose connections, damaged seals.	Tighten connections, replace seals if damaged (contact service).

If troubleshooting steps do not resolve the issue, contact Grundfos customer support or a qualified service technician.

8. SPECIFICATIONS

Feature	Detail
Brand	Grundfos
Model Number	COMFORT 15-14 BDT PM 99812350 (also referred to as magna3)
ASIN	B0B82QQ77R
Product Dimensions (L x W x H)	1 x 1 x 1 cm; 1.06 kilograms
Item Dimensions (L x W x H)	10L x 10W x 10H millimeters
Manufacturer	ROBLAN
Color	Black

Feature	Detail
Material	Corrosion-resistant material
Style	Circulator
Power Source	Electric cable
Number of Items	1
Part Number	GRUB1074

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official Grundfos website. For technical support, spare parts, or service inquiries, please contact Grundfos customer service or your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.

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