

## Wilo TE015

# Wilo Make Hot Water Circulation Pump Star RS 25/6 User Manual

Model: TE015

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of the Wilo Make Hot Water Circulation Pump Star RS 25/6. Please read these instructions carefully before installation and initial startup.

The Wilo Star RS 25/6 is designed for circulating hot water in heating systems. It features a flow rate of 40 to 64 Liters Per Minute (LPM) and a head of 6 to 4 meters. The pump is designed for 25 mm suction and delivery pipe sizes.

## SAFETY INSTRUCTIONS

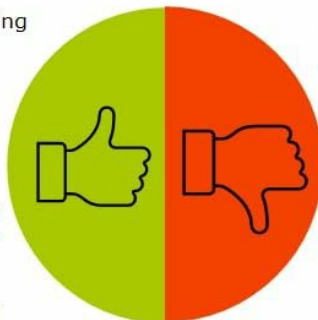
Adherence to these safety instructions is crucial for preventing personal injury and property damage. Always follow local regulations and standards.

- **Electrical Safety:** Ensure proper electrical connection with appropriate protection. All electrical work must be performed by qualified personnel.
- **Earthing:** Always ensure the pump has a proper earthing connection.
- **Avoid Dry Running:** Never operate the pump without water. Dry running can cause severe damage to the pump.
- **Piping:** Avoid piping leakages. Ensure all connections are secure and leak-free.
- **Valve Operation:** Do not run the pump by closing the suction valve. This can lead to cavitation and damage.
- **Pipe Sizing:** Do not use undersized or oversized pipes, as this can affect pump performance and longevity.

## Wilo-Star RS

### DO'S

- ✓ Read the Manual: Always start by reading the manufacturer's manual for specific instructions and recommendations
- ✓ Proper Installation: Ensure the pump is installed correctly, with all connections secure and no leaks
- ✓ Initial Priming: Prime the pump initially to avoid dry running and ensure proper operation
- ✓ Proper Electrical connection with proper protection is use
- ✓ Do the Earthing connection of pump



### DON'TS

- ✗ Avoid the Piping Leakages
- ✗ Never Run pump by closing the Suction valve
- ✗ Do not use Under sizing and Oversizing Pipes
- ✗ Avoid the dry running of pump

**Image Description:** A graphic illustrating "Wilo-Star RS Do's and Don'ts". The "Do's" side, marked with green checkmarks and a thumbs-up icon, includes: "Read the Manual", "Proper Installation", "Initial Priming", "Proper Electrical connection", and "Do the Earthing connection". The "Don'ts" side, marked with red crosses and a thumbs-down icon, includes: "Avoid the Piping Leakages", "Never Run pump by closing the Suction valve", "Do not use Under sizing and Oversizing Pipes", and "Avoid the dry running of pump".

## PRODUCT OVERVIEW

The Wilo Star RS 25/6 is a robust hot water circulation pump designed for reliable performance in various heating applications. Its compact design and efficient operation make it suitable for residential and light commercial use.



**Image Description:** A close-up view of the Wilo Star RS 25/6 hot water circulation pump. The pump is green with a black electrical box on top. A circular label on the front shows "Wilo", energy efficiency class (likely B or C), and technical specifications like voltage (1~230V/50Hz)

and current (max 0.21A). The model number "Star-RS25/4" and "Art-No. 4032954/ 0601" are visible. The pump has inlet and outlet connections.



**Image Description:** The cover page of the Wilo-Star RS, RSD installation and operating instructions manual. The top of the page has "Pioneering for You" and the Wilo logo. Below that, "Wilo-Star RS, RSD" is prominently displayed. The main part of the image shows two different models of Wilo pumps. Text at the bottom indicates the manual is available in English ("en Installation and operating instructions"), French ("fr Notice de montage et de mise en service"), Spanish ("es Instrucciones de instalación y funcionamiento"), Russian ("ru Инструкция по монтажу и эксплуатации"), Ukrainian ("uk Інструкція з монтажу та експлуатації"), and Serbian ("sr Uputstvo za ugradnju i upotrebu").

## SETUP AND INSTALLATION

Proper installation is critical for the pump's performance and longevity. Ensure all steps are followed carefully.

1. **Mounting Location:** Choose a suitable location that allows for easy access for maintenance and is protected from extreme temperatures and moisture.
2. **Piping Connection:** Connect the pump to the heating system's pipes. The pump is designed for 25 mm suction and delivery pipe sizes. Ensure all connections are tight and leak-free. Use appropriate sealing materials.
3. **Electrical Connection:** Connect the pump to the electrical supply according to local electrical codes and the

pump's specifications (1~230V/50Hz). Ensure proper earthing. This step must be performed by a qualified electrician.

4. **Initial Priming:** Before first operation, the pump must be primed. Fill the heating system with water and vent any air from the system and the pump. This prevents dry running.

## OPERATING INSTRUCTIONS

Once installed and primed, the pump is ready for operation. Follow these guidelines for optimal performance.

- **Power On:** Switch on the electrical supply to the pump. The pump should start circulating water.
- **Check for Leaks:** Immediately after startup, inspect all connections for any signs of leakage.
- **Noise Level:** Listen for unusual noises. Excessive noise might indicate air in the system or an issue with the pump.
- **Flow Rate:** The pump is designed to handle a flow rate of 40 to 64 LPM. Ensure the system's requirements are within this range.
- **Head:** The pump provides a head of 6 to 4 meters. Verify that this is sufficient for your heating system's needs.

## MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Wilo pump.

- **Regular Inspection:** Periodically check the pump and piping for any signs of wear, corrosion, or leaks.
- **System Pressure:** Monitor the pressure in your heating system. Incorrect pressure can affect pump performance.
- **Cleaning:** Keep the pump free from dust and debris. Do not use abrasive cleaners.
- **Winterization:** If the pump is in an unheated area and there's a risk of freezing, drain the system or take appropriate measures to prevent freezing damage.

## TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your pump.

Problem	Possible Cause	Solution
Pump does not start	No power supply; Motor jammed; Air in pump	Check power connection and circuit breaker; Attempt to free motor (consult manual); Vent the pump and system.
Pump is noisy	Air in system; Cavitation due to closed suction valve; Incorrect pipe sizing	Vent the system thoroughly; Ensure suction valve is fully open; Verify pipe sizes are appropriate (25 mm).
No water circulation or low flow	Air in pump; Closed valves; Clogged impeller; Dry running	Vent the pump; Open all necessary valves; Inspect and clean impeller (power off first); Ensure pump is always filled with water.
Leaks at connections	Loose connections; Damaged seals	Tighten connections; Replace damaged seals.

## TECHNICAL SPECIFICATIONS

- **Model:** Wilo Star RS 25/6
- **Part Number:** TE015
- **Brand:** Wilo
- **Flow Rate:** 40 to 64 Liters Per Minute (LPM)
- **Head:** 6 to 4 Meters
- **Suction & Delivery Pipe Size:** 25 mm
- **Voltage:** 230V, 50Hz (Single Phase)
- **Material:** Stainless Steel
- **Item Weight:** 2.63 kg
- **Package Dimensions:** 20.3 x 15.3 x 10.5 cm
- **Style:** Circulator

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official Wilo documentation included with your product or visit the official Wilo website. Keep your purchase receipt as proof of purchase for warranty claims.

For specific inquiries or service, contact Wilo customer service or an authorized service partner in your region.

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