

Junkers Hydronext 5600 S WTD17-3 AM

Junkers Hydronext 5600 S WTD17-3 AM Gas Water Heater Instruction Manual

Model: Hydronext 5600 S WTD17-3 AM

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Junkers Hydronext 5600 S WTD17-3 AM gas water heater. Please read these instructions carefully before installation and use, and keep them for future reference. This appliance is designed to provide instant hot water for domestic use.

2. SAFETY INFORMATION

Important: Incorrect installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.

- Installation and servicing must be performed by a qualified professional in accordance with all local codes and regulations.
- Ensure adequate ventilation for the appliance.
- Do not store flammable materials near the water heater.
- Regularly check for gas leaks. If you smell gas, immediately shut off the gas supply, open windows, and evacuate the area. Do not use electrical switches or phones. Contact your gas supplier and a qualified technician.
- This appliance operates on Butane/Propane gas. Ensure the correct gas type is supplied.

3. PRODUCT OVERVIEW

The Junkers Hydronext 5600 S WTD17-3 AM is a compact and efficient sealed gas water heater designed for modern homes. It features a low NOx emission system, an intuitive digital display with touch control, and a design developed by Bosch. Its compact dimensions, with a depth of only 17 cm, allow for flexible installation.



Figure 1: Front view of the Junkers Hydronext 5600 S WTD17-3 AM gas water heater, showcasing its compact white casing, digital display, and an 'A' energy efficiency rating label on the lower left.

Key Features:

- **Low NOx Emissions:** Environmentally friendly operation.
- **Compact Design:** Only 17 cm deep, ideal for space-saving installations.
- **Digital Display with Touch Control:** Intuitive interface for easy temperature selection and monitoring.
- **Easy Installation:** Maintains the same hydraulic connection as previous Junkers gas water heaters, simplifying replacement.
- **Butane/Propane Gas:** Compatible with common LPG types.
- **Includes Flue Gas Evacuation Kit:** Essential for safe exhaust of combustion products.
- **Thermostatic Control:** Precise temperature selection for optimal efficiency and comfort.

4. SETUP AND INSTALLATION

Installation of the Junkers Hydronext 5600 S WTD17-3 AM must be carried out by a certified professional. This ensures compliance with all safety standards and local regulations.

Installation Steps (Overview):

1. **Site Selection:** Choose a location with adequate ventilation and access for maintenance, away from flammable materials.
2. **Mounting:** Securely mount the water heater to a suitable wall structure.
3. **Hydraulic Connections:** Connect the cold water inlet and hot water outlet pipes. The appliance is designed to use standard Junkers hydraulic connections.
4. **Gas Connection:** Connect the gas supply line to the appliance. Ensure the correct gas type (Butane/Propane) is used.
5. **Flue Gas Evacuation:** Install the provided flue gas evacuation kit according to manufacturer instructions and local codes. This is crucial for safety.
6. **Electrical Connection:** Connect the appliance to the electrical supply as per wiring diagrams (if applicable, for ignition/control).
7. **Leak Testing:** Perform thorough leak tests on all gas and water connections.
8. **Commissioning:** Follow the professional commissioning procedure to ensure proper operation and

safety.

Refer to the detailed installation guide provided with the product for specific instructions and diagrams.

5. OPERATING INSTRUCTIONS

The Hydronext 5600 S WTD17-3 AM features an intuitive digital display for easy control.

Basic Operation:

- **Power On/Off:** Use the designated power button on the control panel to turn the unit on or off.
- **Temperature Selection:** Use the touch controls on the digital display to adjust the desired hot water temperature. The thermostatic control allows for precise, degree-by-degree adjustment.
- **Hot Water Delivery:** Open a hot water tap. The water heater will automatically ignite and begin heating water to the selected temperature.
- **Display Information:** The digital display shows the current water temperature and may indicate operational status or error codes.

For detailed instructions on advanced settings and display functions, consult the full user manual.

6. MAINTENANCE

Regular maintenance is crucial for the longevity, efficiency, and safe operation of your gas water heater. All maintenance and service work must be performed by a qualified technician.

Recommended Maintenance:

- **Annual Inspection:** Have a qualified technician inspect the appliance annually. This includes checking the burner, heat exchanger, flue system, gas connections, and safety devices.
- **Cleaning:** Ensure the exterior of the appliance is kept clean. Do not use abrasive cleaners.
- **Flue System Check:** The flue gas evacuation system should be checked regularly for obstructions or damage by a professional.
- **Water Quality:** In areas with hard water, consider descaling treatments as recommended by a professional to prevent mineral buildup.

Do not attempt to service the internal components of the water heater yourself. Contact a qualified Junkers service technician for any repairs or internal maintenance.

7. TROUBLESHOOTING

Before contacting service, review the following common issues and potential solutions. For complex problems or error codes, always consult a qualified technician.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No hot water or insufficient hot water.	◦ Gas supply off or low pressure. ◦ Water heater not powered on. ◦ Temperature setting too low. ◦ Ignition failure.	◦ Check gas supply and pressure. ◦ Ensure appliance is powered on. ◦ Increase temperature setting on the digital display. ◦ If ignition fails repeatedly, contact a technician.
Water takes a long time to heat up.	◦ Low water flow. ◦ Sediment buildup (less common in instant heaters but possible). ◦ Appliance operating below optimal efficiency.	◦ Check water pressure and flow rate. ◦ Ensure the appliance is correctly sized for demand. ◦ Schedule professional maintenance.
Error code displayed (e.g., related to flue gas).	◦ Flue gas obstruction or sensor issue. ◦ Ventilation problems.	◦ Do not operate the appliance. ◦ Contact a qualified technician immediately to inspect the flue system and sensors.
Unusual noises during operation.	◦ Air in the system. ◦ Component wear.	◦ Bleed air from the water lines. ◦ If noises persist or are loud, contact a technician.

Always prioritize safety. If you suspect a gas leak or any serious malfunction, shut off the gas supply and contact emergency services or a qualified technician immediately.

8. SPECIFICATIONS

Feature	Detail
Model	Junkers Hydronext 5600 S WTD17-3 AM
Type	Sealed Gas Water Heater
Fuel Type	Butane/Propane Gas
Capacity	17 Liters/minute
Depth	17 cm (approximate)
Emissions	Low NOx
Control	Intuitive Digital Display with Touch Control, Thermostatic
Included	Flue Gas Evacuation Kit

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official

Junkers (Bosch Group) website. Warranty terms and conditions may vary by region.

For technical support, service requests, or to locate an authorized service center, please contact Junkers customer service or your local Bosch service partner. Contact details can typically be found on the Junkers website or in the product documentation.

Junkers Official Website: www.junkers.com (Please note: This is a general placeholder link, actual regional sites may vary.)