

WQRETFYP WQRETFYP

WQRETFYP Midea Gas Water Heater Water Flow Sensor

INSTRUCTION MANUAL

Model: WQRETFYP | Compatible with Midea Gas Water Heater Models: JSQ22, JSQ27, JSQ30

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of your WQRETFYP Water Flow Sensor. This sensor is designed for use with specific Midea Gas Water Heater models, including JSQ22, JSQ27, and JSQ30. Please read this manual thoroughly before proceeding with installation or use.

2. Safety Information

Warning: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always disconnect power, turn off gas supply, and shut off water supply to the water heater before attempting any installation or maintenance.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Ensure all connections are secure and free of leaks after installation.
- If you are unsure about any part of the installation process, consult a qualified professional.
- Do not modify the sensor or its wiring.

3. Package Contents

Verify that all components are present and undamaged:

- 1x WQRETFYP Water Flow Sensor
- 1x Integrated Wiring Harness



Figure 1: WQRETFYP Water Flow Sensor with its integrated wiring harness. This image shows the main component and its electrical connections.



Figure 2: An alternate perspective of the WQRETFYP Water Flow Sensor, highlighting its compact design and connection points.

4. Product Features

- **Type:** Hall Effect Water Flow Sensor
- **Function:** Detects water flow within the gas water heater system.
- **Compatibility:** Specifically designed for Midea Gas Water Heater models JSQ22, JSQ27, and JSQ30.
- **Purpose:** Essential component for the water heater's control system to initiate heating based on

water demand.

5. Setup and Installation

Note: Installation should ideally be performed by a qualified technician due to the involvement of gas, water, and electrical connections.

1. Preparation:

- Turn off the main water supply to the water heater.
- Turn off the gas supply to the water heater.
- Disconnect the electrical power to the water heater at the circuit breaker.
- Drain a small amount of water from the water heater to relieve pressure, if necessary, following your water heater's specific instructions.

2. Locate and Remove Old Sensor:

- Identify the existing water flow sensor on your Midea gas water heater. Refer to your water heater's service manual for its exact location.
- Carefully disconnect the electrical wiring from the old sensor.
- Unscrew or unclip the old sensor from its housing. Be prepared for residual water.

3. Install New Sensor:

- Insert the new WQRETFYP Water Flow Sensor into the designated housing, ensuring it is correctly oriented.
- Secure the sensor using the original screws or clips. Do not overtighten.
- Connect the integrated wiring harness of the new sensor to the corresponding electrical connector on the water heater. Ensure a firm and correct connection.

4. Testing and Verification:

- Slowly turn on the main water supply to the water heater and check for any leaks around the newly installed sensor. Tighten connections if necessary.
- Restore electrical power to the water heater.
- Turn on the gas supply.
- Open a hot water faucet to test the water heater's operation. The water heater should detect flow and initiate heating.

6. Operating Principles

The WQRETFYP Water Flow Sensor operates automatically as part of your gas water heater's control system. When a hot water faucet is opened, water begins to flow through the sensor. The Hall effect sensor detects this flow and sends a signal to the water heater's control board. This signal indicates that hot water is being demanded, prompting the water heater to ignite the burner and begin heating the water. When the hot water faucet is closed, the flow stops, the sensor ceases sending the signal, and the water heater turns off the burner.

7. Maintenance

The water flow sensor typically requires minimal maintenance. However, periodic checks can help ensure its longevity and proper function:

- **Visual Inspection:** Periodically inspect the sensor and its connections for any signs of leaks,

corrosion, or physical damage.

- **Cleanliness:** Ensure the area around the sensor is free from debris or excessive dust.
- **Professional Check:** During routine water heater maintenance by a qualified technician, ask them to inspect the water flow sensor for proper operation.

8. Troubleshooting

If your water heater is not functioning correctly, and you suspect an issue with the water flow sensor, consider the following:

- **No Hot Water / Intermittent Hot Water:** If the water heater does not ignite when hot water is demanded, or if heating is inconsistent, the flow sensor might not be detecting water flow correctly. This could be due to a faulty sensor, blockages, or wiring issues.
- **Error Codes:** Consult your Midea water heater's manual for specific error codes related to water flow or ignition. A faulty flow sensor can trigger such codes.
- **Leaks:** Check for any water leaks around the sensor's connection points.

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified service technician for diagnosis and repair.

9. Specifications

Item Model Number	WQRETFYP
Manufacturer	WQRETFYP
Compatible Water Heater Models	Midea JSQ22, JSQ27, JSQ30
Package Dimensions	0.39 x 0.39 x 0.39 inches
Item Weight	1.76 ounces
Assembly Required	No
Number of Pieces	1

10. Warranty and Support

Specific warranty information for this WQRETFYP Water Flow Sensor is not provided in the product data. For details regarding warranty coverage, returns, or technical support, please contact the seller or manufacturer directly through your purchase platform. Keep your proof of purchase for any warranty claims.