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Meiko FV40.2, FV40.2M, FV40.2MIKE2 (4251391259393)

Meiko FV40.2 Series Heating Element User Manual

Model: FV40.2, FV40.2M, FV40.2MIKE2 (Manufacturer Reference: 4251391259393)

Brand: Meiko

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Meiko FV40.2 Series Heating Element. This heating element is designed for use in commercial dishwashers, specifically Meiko models FV40.2, FV40.2M, and FV40.2MIKE2.

Please read this manual thoroughly before installation and keep it for future reference.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock and Burns!

- Installation and maintenance must only be performed by qualified personnel.
- Always disconnect power to the appliance before installing, servicing, or removing the heating element.
- Ensure proper grounding of the appliance.
- Do not operate the heating element if it is damaged or if the electrical connections are loose.
- Heating elements become extremely hot during operation. Allow sufficient time for cooling before handling.
- Verify that the voltage and wattage of the replacement element match the original specifications of the appliance.

3. PRODUCT OVERVIEW

The Meiko FV40.2 Series Heating Element is a robust component designed for efficient water heating in commercial dishwashers. It features three heating circuits and a submersible sleeve for a thermostat.



Figure 3.1: Overall view of the Meiko FV40.2 Series Heating Element. This image shows the elongated heating element with its three heating loops and the connection end.



Figure 3.2: Side view of the heating element, highlighting the connection points and the overall length.

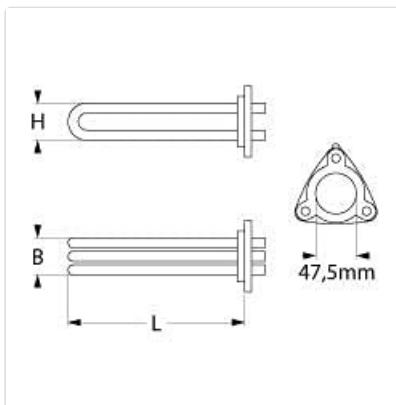


Figure 3.3: Technical diagram showing key dimensions (Length 'L', Width 'B', Height 'H', and mounting diameter) of the heating element for proper fitment.

4. INSTALLATION

- Preparation:** Ensure the dishwasher is completely disconnected from the power supply. Drain any water from the machine.
- Access:** Locate the heating element compartment within the dishwasher. This may require removing panels or covers.
- Removal of Old Element:** Carefully disconnect the electrical wiring from the old heating element. Note the wiring configuration for reinstallation. Unscrew or unfasten the old element from its mounting.
- Installation of New Element:** Insert the new Meiko FV40.2 Series Heating Element into the designated opening. Ensure the mounting flange is properly seated.

- Secure Connections:** Secure the heating element using the screw connection. Reconnect the electrical wiring to the element's terminals, ensuring all connections are tight and correct.
- Thermostat Sleeve:** If applicable, ensure the thermostat probe is correctly inserted into the submersible sleeve (Ø 7 mm, length 150 mm) on the heating element.
- Reassembly:** Replace any removed panels or covers.
- Testing:** Before full operation, perform a leak check and verify electrical continuity.

Refer to your specific dishwasher model's service manual for detailed installation steps and diagrams.

5. OPERATION

The Meiko FV40.2 Series Heating Element operates automatically as part of the dishwasher's heating system. Once installed and the dishwasher is powered on, the element will activate under the control of the dishwasher's thermostat and control board to heat the water to the required temperature for washing and rinsing cycles. Ensure the dishwasher's water level is always adequate before starting a cycle to prevent dry firing of the heating element, which can cause damage.

6. MAINTENANCE

- Regular Inspection:** Periodically inspect the heating element for signs of wear, corrosion, or mineral buildup.
- Cleaning:** In areas with hard water, mineral deposits (limescale) can accumulate on the heating element, reducing its efficiency. Follow the dishwasher manufacturer's recommendations for descaling or use commercial descaling agents suitable for dishwashers. Always disconnect power before cleaning.
- Electrical Connections:** Ensure electrical connections remain tight and free from corrosion.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dishwasher not heating water	No power to element, faulty thermostat, faulty heating element, mineral buildup.	Check power supply. Test thermostat for continuity. Test heating element for resistance. Descale element if necessary. Replace faulty components.
Slow heating	Excessive mineral buildup on element, low water pressure/flow.	Descale the heating element. Check water supply to the dishwasher.
Element trips circuit breaker	Short circuit in element, faulty wiring.	Inspect element for physical damage. Check wiring for shorts. Replace element if shorted.

For complex issues, it is recommended to contact a qualified service technician.

8. SPECIFICATIONS

Feature	Specification
Application	Dishwasher (Meiko FV40.2, FV40.2M, FV40.2MIKE2)

Feature	Specification
Connection Type	Screw connection
Power	7500 W
Voltage	240 V
Number of Heating Circuits	3
Length	405 mm
Width	32 mm
Height	37 mm
Installation Diameter	Ø 47.5 mm
Hole Distance	63 mm
Hole Diameter	8 mm
Thermostat Socket Quantity	1
Thermostat Socket Diameter	Ø 7 mm
Thermostat Tube Length	150 mm

9. WARRANTY AND SUPPORT

Warranty information for this Meiko heating element is typically provided by the seller or the original equipment manufacturer (Meiko). Please refer to your purchase documentation or contact the seller, Gastroteileshop, for specific warranty terms and conditions.

For technical support or spare parts inquiries, it is recommended to contact Meiko directly or an authorized Meiko service provider. The availability of spare parts for this specific component is currently listed as "Information indisponible sur les pièces détachées" (Information unavailable on spare parts) on some platforms, but direct inquiry with Meiko or a specialized parts supplier is advised.