

MI_2408

Magnetron temperature sensor – removal and installation



iHexagon



10 min.



Standard



24/11/2025

Topic

The information describes the removal and installation of the magnetron.

Affected product/accessories

- iHexagon
- 6-1/1

Required tool

- Standard
- Microwave leakage tester

Required components

The following components are required for removal and installation:

Component:	Item number:
Magnetron with Klixon	87.02.017S

General information

NOTICE

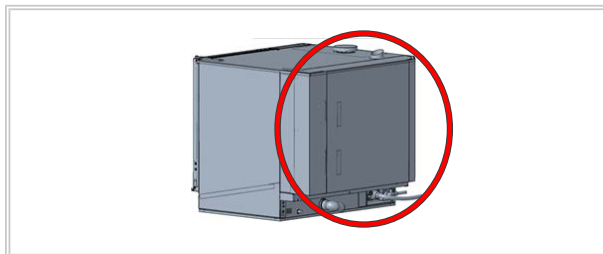
Enter the installation of the component on the service level ("Component replacement" tab). This is an integral part of the maintenance history.

Target group

- This document is intended for skilled technicians, who have been certified by the manufacturer after attending training and safety instructions.
- Installation, inspection, maintenance, and repair work must only be carried out by trained technicians.
- It is recommended that only technicians authorised by the manufacturer perform inspection, maintenance and repair work.
- The unit may not be used, cleaned, or maintained by children. The unit may not be used for play. This is prohibited even under supervision.
- The unit may not be used, cleaned, or maintained by people with limited physical, sensory, or mental capacity or those without the necessary experience or knowledge, unless such people are supervised by a person who is responsible for their safety and who has been informed of the hazards of the unit.

- In order to prevent accidents or damage, the manufacturer recommends that technicians attend training and safety instructions.

Installation position



Safety instructions

DANGER

High voltages when connecting to the mains power

Danger to life due to high voltage.

- Disconnect from the power supply.
- Secure against unintentional switching on.
- Make sure the unit is disconnected from the power.

CAUTION

Sharp edges on the housing

Risk of cuts on the housing when working in the electrical compartment.
Wear protective gloves.

WARNING

Risk of chemical burns due to cleaning chemicals

There is a risk of chemical burns from conscious and unconscious contact with cleaning chemicals.

- During installation and maintenance, wear tight-fitting safety glasses and chemical protective gloves that will allow you to handle cleaning products safely.

NOTICE

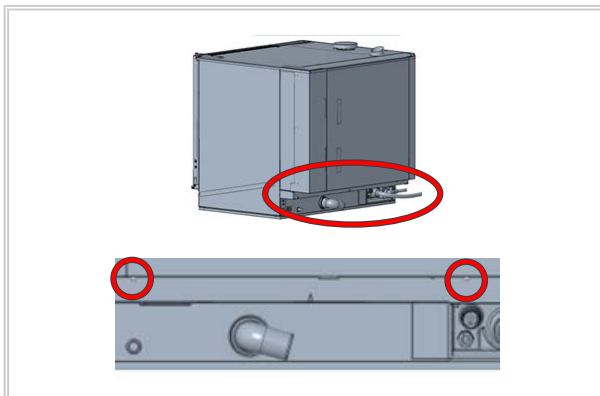
Observe regional and country-specific safety and testing regulations

The relevant regional, country-specific safety and testing regulations apply to all work on RATIONAL units. These regulations may vary by region and are country-specific and are therefore not listed separately in this document.

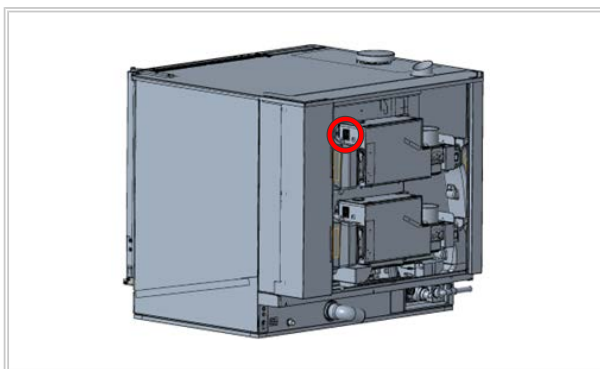
The technician is responsible for complying with these regulations.

Work steps – removal of magnetron with Klixon

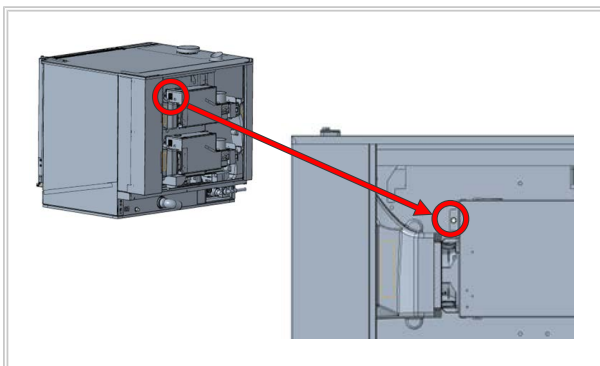
- ✓ The unit is switched off and voltage-free.
- 1. Remove the two screws on the unit rear panel.



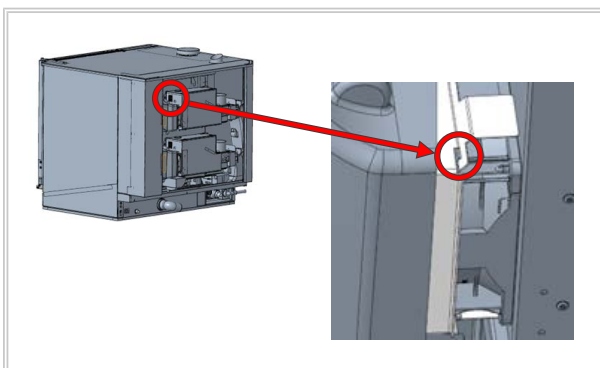
- 2. Remove the unit rear panel.
- 3. Remove the connector from the power supply unit.
NOTICE! The connector must be unlocked on the red tab.



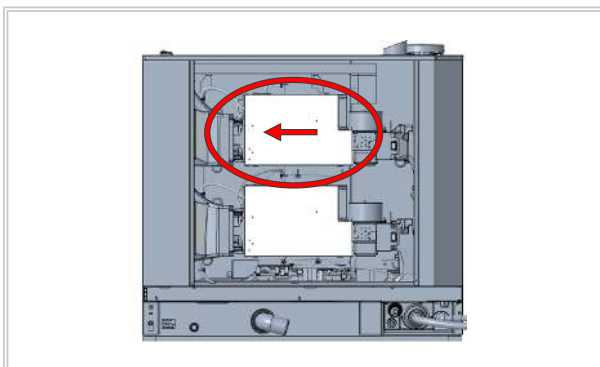
4. Remove the screw on the cover of the power supply unit.



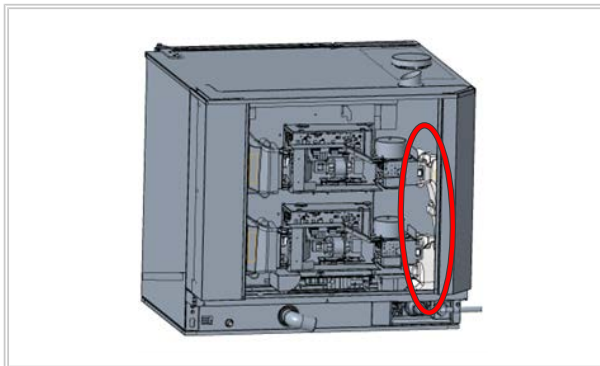
5. Bend the tabs open to unlock the cooling fan.
NOTICE! Slide the plate to the left side.



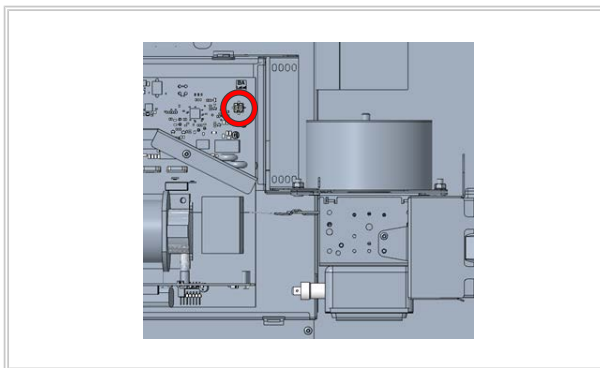
6. Slide the cover plate to the left and remove the cover plate.



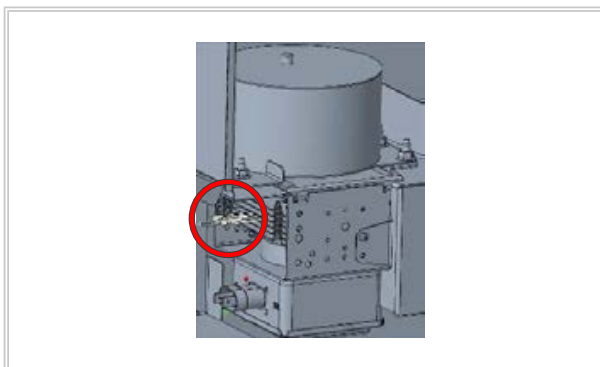
7. Push the exhaust duct to the right.
NOTICE! Slightly bend up the flaps.



8. Disconnect the connectors from the magnetron.



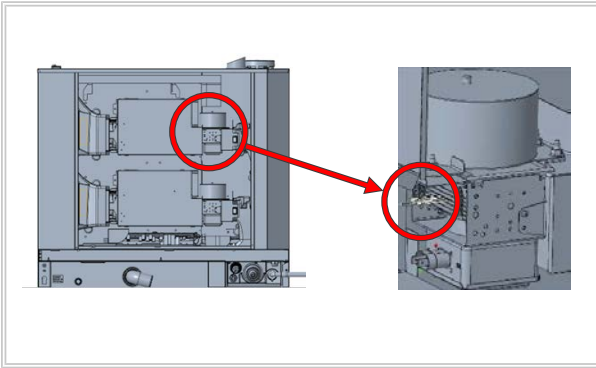
9. Pull out the temperature sensor on the magnetron.



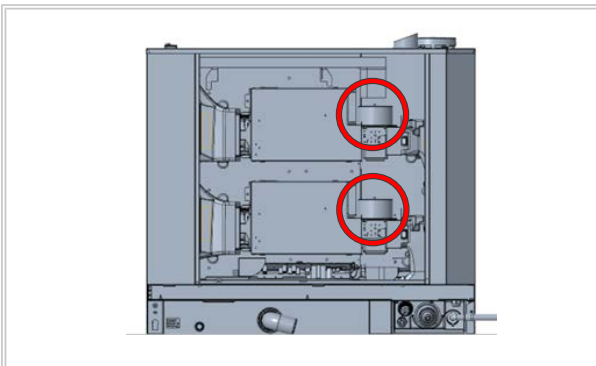
>> The removal is complete.

Work steps – installation of magnetron with Klixon

- ✓ The unit is switched off and voltage-free.
- 1. To install, proceed in reverse order.
NOTICE! The temperature sensor of the new solenoid must be inserted centrally during installation.



- 2. Check the unit for microwave leakage.
WARNING! The unit is under voltage and the left side panel is open.
- 3. Open: Service level -> Microwave -> Leak test -> Component replacement
- 4. Carry out the microwave leak test at the following location:
The values to be measured must not exceed $< 0.4 \text{ mW/cm}^2$.
NOTICE! For more information about microwave leakage, see the installation manual.



>> The installation is complete.