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## Steps for the maintenance of a radiant strip system

A handy practical guide to refer to



# Initial disclaimer



Maintenance operations must be carried out by qualified personnel and should be performed annually, preferably before the winter startup.

Please contact our technical support service by emailing [assistenza@carlieuklima.it](mailto:assistenza@carlieuklima.it) or by contacting one of our Authorized Technical Assistance Centers.



# Attention

Before operating on the units, read and follow the provided instructions carefully!



1

## Joint inspection

Visually inspect the integrity of the expansion joints of the pipes to ensure the proper sealing of the system.

2

## General cleaning

Begin with a thorough cleaning of the combustion unit to maintain its efficiency.



3

## **Air grill cleaning**

Vacuum the accumulated dirt on the side grills to ensure optimal airflow.

4

## **Burner inspection**

Clean the combustion head to ensure optimal performance.



5

## Fan operation

Ensure that the recirculation fan operates smoothly without any obstructions or friction.

6

## Gas ramp tightness check

Ensure that the gas ramp is securely sealed using a specific liquid solution.



# 7

## **Electrode inspection**

Remove and clean the electrodes, and if damaged or oxidized, replace them. Replacement should be done every two years regardless.

# 8

## **Pressure check**

Verify that the pressure upstream of the solenoid valve is correct, as specified in the manual.



# 9

## **Depression check**

Use a differential pressure gauge to check that the depression of the system meets the values indicated in the manual.

# 10

## **Combustion check**

Use an analyzer to verify the proper combustion of the system.





## Ignition sequence

Visually check the ignition sequence and ensure that no anomalies are indicated on the display.



# 12 Temperature check

Verify the correctness of the internal ambient temperature and, if present, the external temperature, adjusting the deviation if necessary by accessing the user interface.



# 13

## Counter reset

If the maintenance counter is active, reset the remaining hours to schedule the next intervention.

Energy and comfort



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