

KOOLAIR

series

KOOLED

Filter clogging
control device

ISO 9001

BUREAU VERITAS
Certification

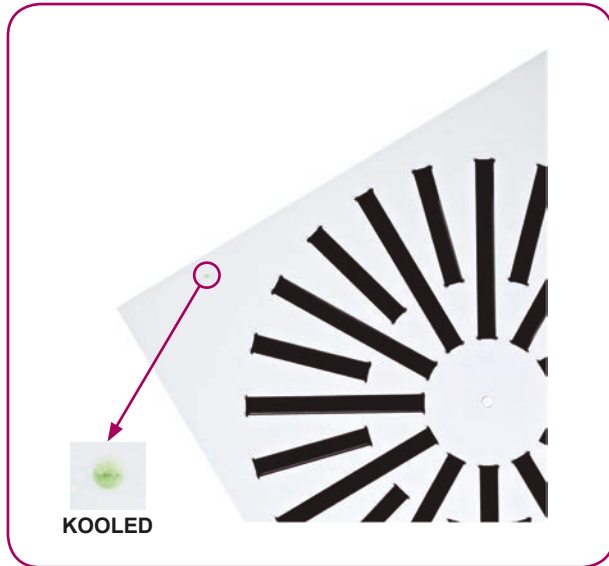
Sistema de Gestión



www.koolair.com



KOOLED: Filter clogging indicator.



Description

Filter clogging indicator for KPA high-efficiency filtration units. Suitable for areas that have high requirements for air purity and absence of germs, such as pharmaceuticals, medicine, laminar or turbulent flow supply or hospitals, where a high degree of control over air filtration is required.

Commissioning

Place the battery on the plastic extruder and locate it with the positive terminal facing outwards. The LED indicator will flash for the first minute while it adjusts to the climatic conditions. After this time the LED will display a colour to indicate the status of the device.



Operation

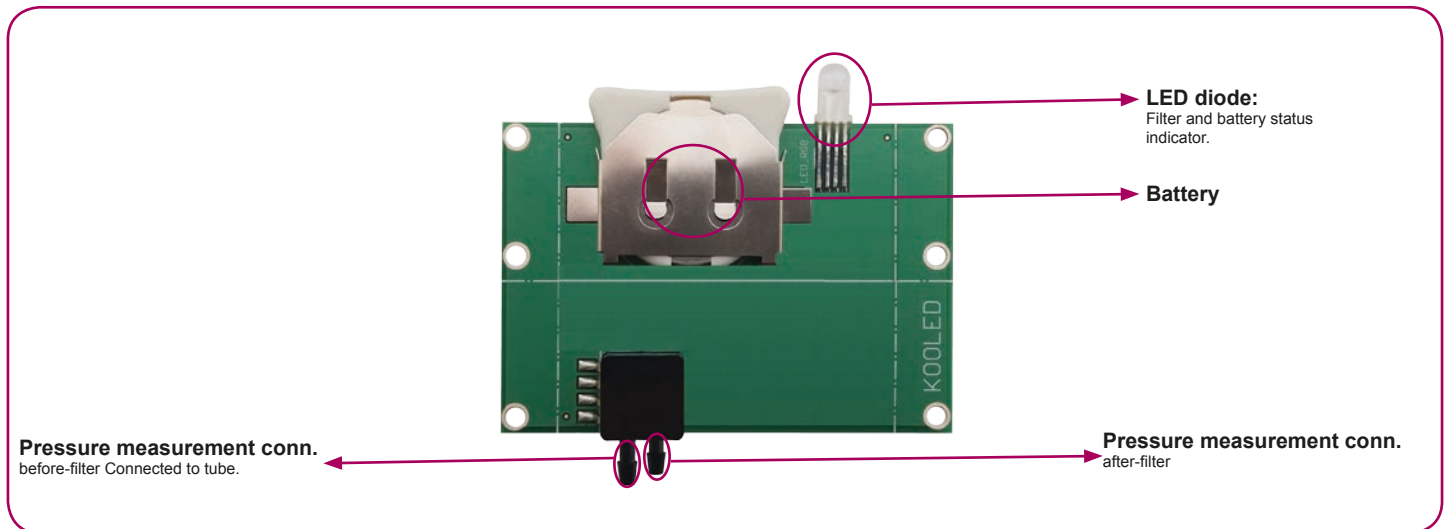
Indicates the level of fouling of the filter by measuring differential pressure before and after the filter unit (H13, H14, U15, U16). This differential pressure measurement indicates the state of filter clogging by illuminating the LED in different colours according to the status:

GREEN LIGHT: Indicates a differential pressure across the filter of less than $600 \text{ Pa} \pm 25 \text{ Pa}$, i.e. the filter does not require replacing. Flashes green every 6 seconds.

RED LIGHT: Indicates that the condition of the filter is above the clogging value of $600 \text{ Pa} \pm 25 \text{ Pa}$, indicating that it must be replaced. Flashes red every 6 seconds.

When the battery needs replacing, the device lights up blue, indicating that the battery is below the threshold for optimal operation and needs to be changed. Flashes **BLUE** every 6 seconds.

KOOLED: Filter clogging control device.



- Standard final clogging pressure for filter 600 Pa. Other final pressures configurable on demand.
- Battery CR2450:
 - Technical data: 3 V, 560 mA lithium battery.
 - Battery life: Minimum 2 years
 - Maintenance: Replace when necessary.

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