

NFUA3 Airflow Alarm

The exhaust alarm type NFUA3 can be used to indicate when the airflow capacity of the plant is inadequate by activating an alarm.



The airflow volume in an extraction system is affected by the differential pressure in the filter and the number and type of extraction points in use together.

The exhaust alarm type NFUA3 can be used to indicate when the airflow capacity of the plant is inadequate by activating an alarm. In Denmark there is a legal requirement to fit exhaust alarms to process extraction systems.

Ordering

The airflow alarm type NFUA3 consists of an electronic control unit and a pressure switch. The airflow alarm type NFUA3 is ordered as a complete unit.

Type	Art. No.
NFUA3 incl. flashlight	
NFUA3 for 4-30 mmWC	90014.075
NFUA3 for 10-100 mmWC	90014.076
NFUA3 for 25-500 mmWC	90014.077
NFUA3 for 300-1500 mmWC	90014.078
NFUA3 for 1000-5000 mmWC	90014.079

NFUA3 excl. flashlight	
NFUA3 for 4-30 mmWC	90014.070
NFUA3 for 10-100 mmWC	90014.071
NFUA3 for 25-500 mmWC	90014.072
NFUA3 for 300-1500 mmWC	90014.073
NFUA3 for 1000-5000 mmWC	90014.074

Accessories	
Flashlight red 12 Volt	90014.051

- Backup with rechargeable battery – minimum maintenance costs.
- Low installation costs.
- Very bright LEDs – readable from a long distance.
- High capacity battery backup will power external alarm light for remote alarm indication.

Description

The airflow alarm consists of a pressure switch for installation in the ductwork and an electronic control unit for installation in a prominent location in the work place.

The alarm pressure level is set to a level slightly lower than the duct pressure that corresponds to normal maximum airflow volume.

If the duct static pressure falls below this pre-set value, a red light in the control unit is illuminated.

An external connection may be made to an external 12V flashing lamp. The airflow alarm control unit should be connected to a continuous 230V AC supply. There is also a connection to the pressure switch.

If the 230V AC power supply is broken, the alarm is energised. This ensures that the alarm will be activated if, for example, an emergency stop is used for stopping the fan instead of the normal “stop” function.

The airflow alarm unit incorporates supervision of the pressure switch cable interconnection. Interruption of this will also activate the alarm.

In accordance with the requirements for dual supply made by the Danish Working Environmental Service the airflow alarm is provided with battery backup. This has a rechargeable battery that is charged automatically as required during normal use.

In the event of power failure the battery backup will last for 75 minutes if the alarm is active and one 12V flash lamp connected. This will increase to 48 hours if no external flash lamp connected.