Universal filters AF-UK 75

Benefits

■ Optimum filtration of particulate matter
■ With or without liquid alarm sensors
■ Easy, fast wall mounting
■ Bypass function

Application

For filtration of solid matter.

Versions

	Part no.
Universal filters AF-UK 75 with condensate drain	61610

Blue part no. = in-stock items

Description

Unheated universal filter for optimum filtration performance and removal of extremely small particles with filter elements with high filter fineness. Versions with or without conductivity based liquid alarm sensors. The sensor can detect the breakthrough of liquids (e.g. if a gas dryer is used upstream of the unit). If condensate water breaks through, the stream flow effect directs the drops to the sensor. The control unit of the liquid alarm sensor has a relay output that can be used to activate a pump or a solenoid valve or to signal an alarm. If condensate breaks through, the filter housing acts as a buffer space so that the liquid cannot immediately reach other components. The universal filter can be equipped with various filter elements (ceramic, glass fibre, PTFE, stainless steel). The elements are available with different filter fineness ratings to cover all possible applications.
The liquid sensor detects and signals moisture, e.g. is the upstream gas dryer is defective. The liquid alarm sensor operates on the basis of the measuring principle of electric conductivity.

Technical specifications

Operating temperature range
Medium: Max. 100 °C

Material
Filter head: PTFE
Filter body: Duran glass

Gas inlet/gas outlet
G¼ female
Input: At the side
Output: At the side

Gas pressure
Max. 1 bar

Filter insert
Teflon (PTFE)

Filter fineness
2 µm

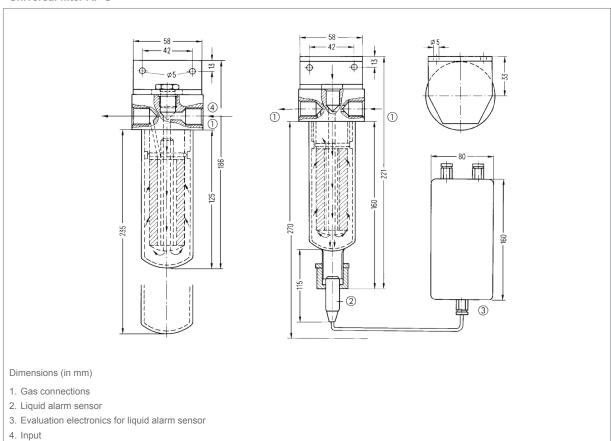**Filter surface**
70 cm²

Condensate outlet
GL 25

Weight
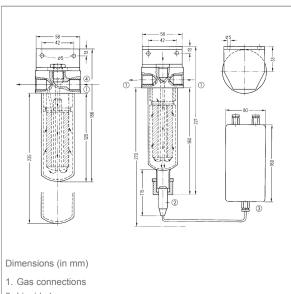Approx. 0.31 kg

Detail views

Universal filter AF-U

Dimensions (in mm)

1. Gas connections
2. Liquid alarm sensor
3. Evaluation electronics for liquid alarm sensor
4. Input

Technical drawings

Universal filter AF-U

Dimensions (in mm)

1. Gas connections
2. Liquid alarm sensor
3. Evaluation electronics for liquid alarm sensor
4. Input