

# FLOCHECK F – Downflow bench monitor

## Introduction FLOCHECK F

FLOCHECK F is used as a fixed digital room panel for downflow benches or other installations with Lindinvent's 2 mode air flow controller FLL.

- It is installed as control and safety equipment for a downflow bench, with the options of selecting normal air flow or the minimum basic flow through the bench. Reference values and alarm limits are set on site according to current safety regulations.
- It has an active screen on which users can see the current operating mode with status in plain text, as well as the actual value for air flow through the downflow bench. The current damper angle in the connected damper can also be displayed.
- Used for logging in to the connected controller on start-up or when adjustment is needed.
- Can give an acoustic alarm with a buzzer and/or an optical alarm with LEDs.
- Easily connected to the controller via a pre-mounted plug-in FTP cable (RJ45).

## Function

FLOCHECK F displays the current status of connected controls with both plain text and LEDs. Operating mode is set via the keypad and authorised users can navigate in a code protected menu system to set the values of operating parameters.



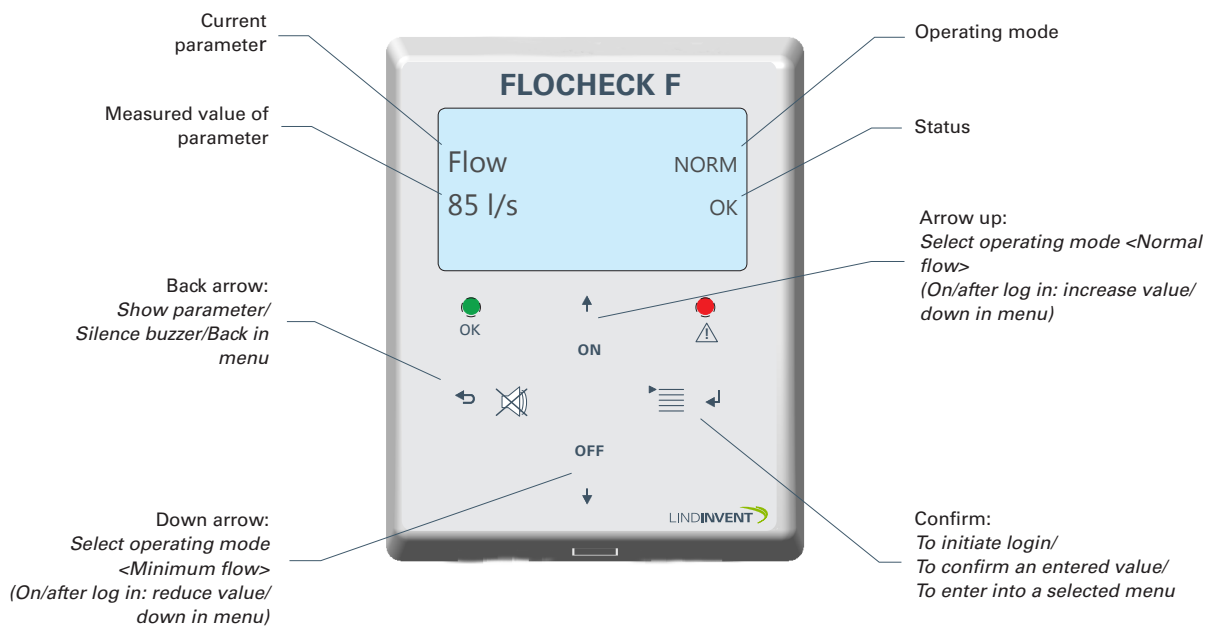
Downflow bench monitor - Flocheck F

## Alarms

A lit green LED indicates normal operation with the measured air flow within the expected range. An alarm is activated when operating mode "MIN" (Reduced flow) is selected or when the measured flow does not correspond to expected values. The alarm can be indicated both optically and acoustically with a red LED and a buzzer.

## Design

FLOCHECK F is available as FU with cables mounted on top (with or without mounting plate for mounting on a duct) or as FB with cables mounted on the back (without mounting plate) for concealed mounting of cables on a cabinet etc.



Buttons and display on downflow bench monitor FLOCHECK F

USER INTERFACE - FIXED PANEL  
FLOCHECK F

# FLOCHECK F – Downflow bench monitor

## Technical specifications

### General

#### Dimension

103 x 82 x 30 mm (LxWxH)

#### Net weight

0.270 kg (Including cables)

#### Material

ABS encapsulation

#### Miscellaneous

Supplied with network cable (3 metres) with RJ45 jack for connection to flow sensor FLL.

#### Display

LCD technology: FSTN  
Resolution: 128x64 pixels  
Backlit with white LEDs  
Screen size: 58x29.5 mm

#### Connection to controller

Via RJ 45 jack

#### Colour

RAL 9003

#### IP class

Encapsulation complies with IP54

### Electrical system

#### Supply voltage

24 VAC from controller

#### Output

2.5 VA

#### CE marking

Complies with EMC and the Low Voltage Directive



Downflow bench monitor Flocheck F with its cable mounted on top [FU] and with mounting plate.

## Additional product documentation FLOCHECK F

Table 1: Additional documentation for FLOCHECK F can be obtained via links on the product's website under Products at [www.lindinvent.com](http://www.lindinvent.com).

Document	Available	Not available	Comments
Installation Instruction	●		Shows installation versions FU and FB
Start-up instruction		●	Activated when connected to powered controller
Maintenance instruction		●	Regarded as maintenance-free
External connection diagram		●	Connected to controller via FTP cable with pre-mounted jack
Environmental product declaration	●		Assessed by Byggarubedömningen and Sundahus
User information	●		A user manual is available that can be fixed to the downflow bench
Modbus list		●	Not applicable
AMA text		●	None