

# Palltronic

## FLOW CHECK II UNIT

The Palltronic Flow Check II unit lets you perform a fast, simple check on a filter integrity test instrument to confirm that the instrument is measuring the air or nitrogen gas flow correctly. You can perform a 'flow check' test as often as you need, to have confidence in the integrity test instrument. You connect the unit to the integrity test instrument and perform either a flow check test (Palltronic Flowstar integrity test instruments only), forward flow or diffusion test. The flow measured by the integrity test instrument is then compared with the calibrated flow of the Palltronic Flow Check II unit.

The gas flow rate is dependent on the differential pressure across the capillary. The inlet pressure is controlled by the connected integrity test instrument, which applies pressure above atmospheric pressure. The atmospheric pressure is dependent on the weather situation and local height above sea level. The Palltronic Flow Check II unit has a built-in pressure and temperature sensor. Press the button on the side of the unit to measure the atmospheric pressure and the room temperature. The display then indicates the actual flow rate of the device. You do not need to use a table to calculate a correction factor.

The Palltronic Flow Check II unit offers the following benefits:

- There is no need to calculate the flow rate using a conversion table as the actual flow rate is automatically calculated and shown on the display.
- A precise pressure sensor detects small changes in height or weather conditions.
- An installed temperature sensor ensures adaption of the displayed flow rate to the current room temperature.
- The sanitary stainless-steel unit can be used with all integrity test instruments in laboratories or cleanrooms.
- The unit connects and disconnects easily and quickly with filter integrity test instruments with its easy-to-use Stäubli-compatible connections.
- The built-in Gaskleen filter prevents particles and liquids from damaging the capillary.



**Fig 1.** A Palltronic Flow Check II unit.



## System specifications

### Dimensions

180 × 150 × 90 mm (6 × 5 × 3 in.)

### Weight

2 kg (4.4 lbs)

### Battery

The unit includes a standard battery (1.5 V battery type AA [LR06/AM-3]). We replace the battery during annual service and calibration.

### Scope of supply

We supply each Palltronic Flow Check II unit with a calibration certificate, instructions for use, pneumatic tubing, and Stäubli-compatible fittings.

The Palltronic Flow Check II unit is available in three configurations. Select the appropriate version based on the flow range of the integrity test instrument being evaluated. For measuring higher flow, a volume must be installed between the unit and the measurement.

### OptiRun™ calibration service

We offer an optional annual calibration service for your Palltronic Flow Check II by certified Cytiva engineers, including functional testing, leak checks, and environmental verifications, with standardized documentation provided post-service. Calibration is performed exclusively at Cytiva to maintain factory specifications and support workflow productivity. To learn more, go to: <https://www.cytivalifesciences.com/services/equipment-services>.

## Ordering information

| Flow rate range | Upstream volume requirements   | Product code |
|-----------------|--------------------------------|--------------|
| 8 ± 1 mL/min    | 2 m hose                       | FC02         |
| 90 ± 10 mL/min  | 2 m hose and a 1 to 2 L vessel | FC02M        |
| 900 ± 15 mL/min | 2 m hose and a 5 L vessel      | FC02H        |

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