

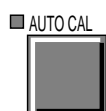
Replacement / Recalibration of the detector internal calibrated leak


The frequency of preventive maintenance is listed in D 10.

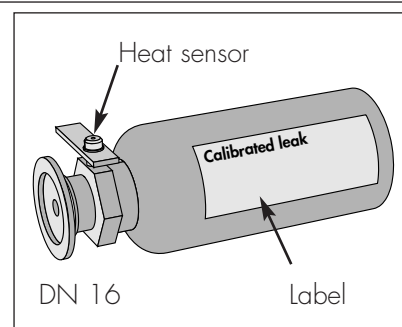
Components:

Internal calibrated leak. P/N  F 70

Purpose of the calibrated internal leak



It enables the auto-calibration of the detector. Autocalibration is triggered at start-up or when the AUTOCAL button is pressed on the control panel (see  C 70).



Frequency of internal leak "recalibration"

In order to ensure the reliability of the helium test, ALCATEL recommends to "recalibrating" the internal calibrated leak at least every 2 years (from the calibration date marked on the leak label and its calibration certificate).

How to recalibrate the internal leak

Recalibration is generally performed using a comparative method with a reference standard. This work can only be performed in ALCATEL or other approved service centers. For this, therefore it is necessary to remove the internal calibrated leak from the detector.

Removal of the internal calibrated leak

- Switch off the detector and disconnect it from the main power.
- Open the front cover of the detector (attached with 4 screws).
- Disconnect the heat sensor connector (3-pin connector).
- Disconnect the DN 16 flange and remove the calibrated leak.

Caution: Do not separate the heat sensor from the calibrated leak.

Replacement / Recalibration of the detector internal calibrated leak

Installation of a new internal calibrated leak

A "recalibrated" leak is returned to you with:

- a new value,
- a calibration certificate.

To install this new calibrated internal leak:

- Switch off the detector and unplug it from the main power.
- Install the leak:
 - DN 16 connector,
 - heat sensor.
- Entering the new internal calibrated leak values.



Calibrated leak values programming C 75

- Close the leak detector.
- Connect the detector to the main power.
- Switch it on: an auto-calibration is performed automatically at the end of the start-up sequence if the autocal is on.

It is recommended to repeat an auto-calibration after 1 hour of operation when the temperature has stabilized inside the unit.



**Basic internal auto-calibration
of the leak detector** C 71

Intensive use of the detector

In the case of intensive use of the detector, it is recommended to have a spare internal calibrated leak.

If this is not possible, the detector can still be used and auto-calibrated using an external calibrated leak.



Internal calibrated leak reference F 70



External calibration of the leak detector C 73