



# Installation and maintenance instructions

KPC and Ultracarbon



# Installation

The KPC/ UltraCarbon purification unit consists of filter modules installed into the filter frame. The filter modules include prefilled, disposable C-18 modules.

The chemical filter units can be connected to each other to get two or more steps of chemical filtration.

The filter modules must be installed according to the airflow indication arrows on the filter.

When connecting the filter modules to each other and to the ducts, the sealing must be made as tight as possible. A gasket is installed between the flanges and the counter flanges.

The pre- and final filters supplied with the delivery contents must be installed into the filter before use. Depending on the contaminants, the filter medium is either CKP8, CEKP8, CHS or ECS.

## Filling instructions

- Make sure that you have a sufficient amount of disposable modules
- Disposable modules are ready for installation after unpacking from the shipping package
- Replace the service door tightly to the filter body
- Turn on the blower
- Record the filling

## Changing the filter medium

The changing (replacing) of the chemical filter disposable cells takes place on a monitoring basis.

- Turn off the blower
- Remove the service door
- Detach the filter modules
- Disposable modules are replaced with new ones
- Close the service door tightly
- Turn on the blower
- Record the filling time

**Climecon Air purifiers always include chemical filtration. In addition, the purifiers can be fitted with pre- and final-filters specifically designed for them.**

# Sampling

- Detach one module from the filter; if the filter has several steps, detach at least the last one
- Pour filter medium (approx. one litre) into a container
- Mix the medium
- Take a sample of about 30 grams
- Pour some any leftover medium back into the module, fill any remaining space with unused medium and attach the module back to the filter
- Turn on the blower
- Complete the sampling form
- Send the sample and the form to Climecon Oy for analysis; Climecon will send the analysis results within two weeks after receiving the sample

## Pre- and post filters

The pre- and final filters that are permanently attached or part of the system as well as the other fiber filters in the system must be monitored and serviced based on pressure drop readings.

If you have any questions concerning installation, you can contact the Climecon customer service

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