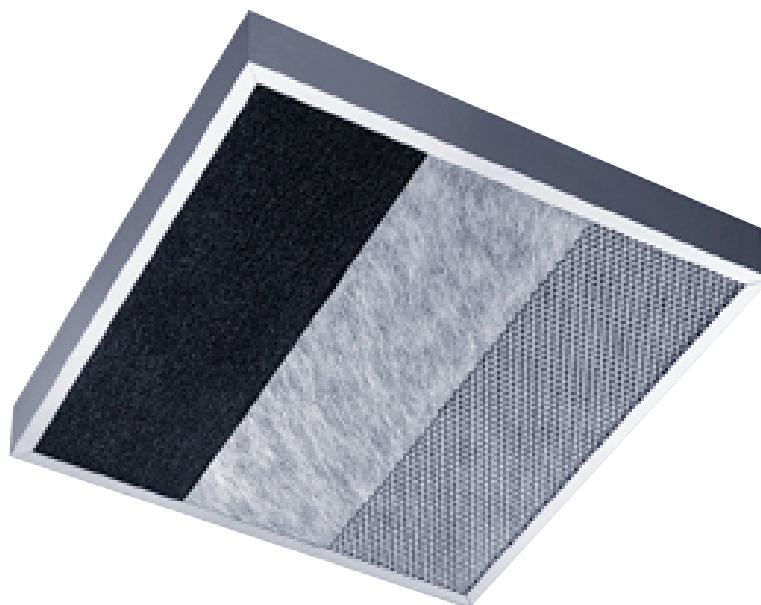


Activated Carbon Filter

for low levels of pollution in room air

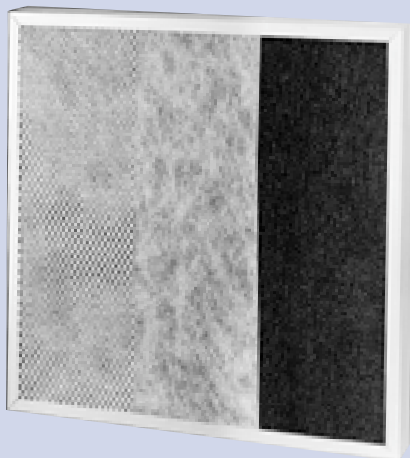


TROX[®] **TECHNIK**

Contents · Description

Description · Installation	2
Filter Technical Data	3
Order Details	4

Activated Carbon Filter



The activated carbon filter is used to filter gaseous air impurities out of the recirculated and supply air of ventilation and air conditioning systems.

The air in air-conditioned rooms may contain a variety of gaseous substances, as well as solid particles. These substances can be emitted by office fittings (office furniture, carpets, wall/ceiling linings etc.) or brought into the building from outside in supply air.

Room air containing pollutants is not only unpleasant from the point of view of a hygienic working environment, but can also, in unfavourable conditions, have a deleterious effect on human health. The use of suitable air filters can reduce pollutants in room air to a minimum.

The activated carbon filter safely eliminates from room air a wide range of substances which are harmful to health:

- smog, ozone
- combustion gases (NO₂, SO₂), diesel exhaust gases
- aromatic hydrocarbons, also numerous polycyclic aromatic compounds
- solvent vapours, e.g. from paints and varnishes

High Efficiency Particulate Ceiling Terminal Filter with Activated Carbon Filter



- adhesive, rubber and cleaning agent fumes
- food/putrefaction odours and tobacco smoke

Installation and application

The activated carbon filter is used as a final filter in Trox high efficiency particulate ceiling terminal filters, which have a proven track record to date in various technological, medical and pharmaceutical fields. Depending on the requirement or the structural conditions, these filters can be supplied in a variety of types and are particularly suited to retrofit installation in existing ventilation and air conditioning systems.

(Further information on Trox high efficiency particulate ceiling terminal filters can be found in leaflet F6/1/EN, “High Efficiency Terminal Filter”.

All volume flow data in l/s is rounded and the data in m³/h is converted accordingly. Weights are specified net, without packaging; the weight of each unit of packaging is approx. 0.5 kg.

The activated carbon filter comprises a multilayer structure of activated charcoal mats, covering nonwoven fabric and a grille on the clean air side. Depending on the model, it can be supplied with or without a prefilter. The frame material is fibreboard, with a surrounding flat profile seal.

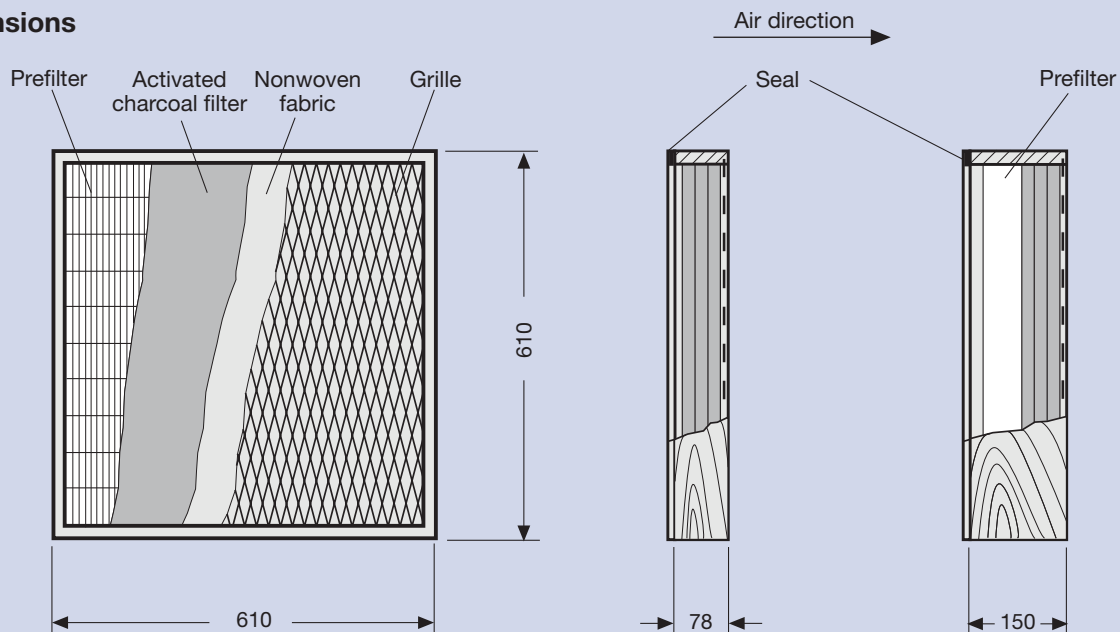
The prefilter comprises high-grade glass fibre paper in compact folds, with textile threads as spacers. It protects the activated charcoal against dust particles, thus increasing the life of the filter and the adsorption capacity of the activated charcoal.

The activated charcoal used is high-quality, fine, granular charcoal characterised by a high level of spontaneity in adsorption, permanently fixed to a porous substrate system made of foamed material. Compared with conventional filter materials, the activated charcoal mats are distinguished by their high specific adsorption capacity, low pressure loss and low weight, and are shock-resistant.

Filter Technical Data

Filter Type Prefilter model		F760 W02 No prefilter	F761 W02 Fine dust filter	F762 W02 High effic. particul. filter
Filter class Prefilter			F9 (EN 779)	H13 (EN 1822)
Average atmosph. spot efficiency	in %	–	95	–
Dust Extraction Efficiency to EN 1822	in %	–	–	> 99.95
Rated volume flow	in l/s in m ³ /h	110 / 165 400 / 600	110 / 165 400 / 600	110 / 165 400 / 600
Initial pressure difference at rated volume flow	in Pa	55 / 100	90 / 150	160 / 250
Recomm. Operating temperature	in °C	< 30	< 30	< 30
Recomm. Relative Humidity	in %	< 50	< 50	< 50
Weight	in kg	6.1	11.0	11.0

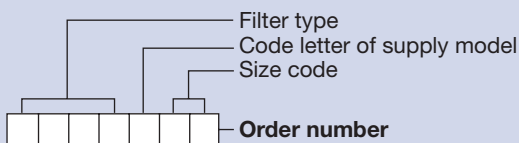
Dimensions



Order Details

Order Code

- Activated carbon filter with prefilter, Filter Class H13
- Filter frame of fibreboard with flat profile seal
- Dimensions (W x H x D) 610 x 610 x 150 mm



Specification Text

Item	Qty.	Description
		<p>Trox activated carbon filter <input type="checkbox"/> without prefilter <input type="checkbox"/> with prefilter</p> <p>Trox activated carbon filter, comprising a multilayer structure of activated charcoal mats, covering nonwoven fabric and an expanded metal grille on the clean air side; with or without a prefilter depending on the model. The frame material is fibreboard, with a flat profile seal glued on one side.</p> <p>The prefilter comprises high-grade, water-proof glass fibre paper with thermoplastic spacers. The activated charcoal is provided in the form of high-quality granular charcoal, which is permanently fixed to a porous substrate system made of foamed material.</p>
		<p>Technical data: Dimensions W x H x D _____ mm Rated volume flow _____ l/s (m³/h) Initial pressure difference at rated volume flow _____ Pa Filter class to EN 779/ EN 1822 _____ Average atmospheric dust spot efficiency _____ % Filtration efficiency to EN 1822 _____ % Max. operating temperature _____ °C Max. relative humidity _____ % Net weight _____ kg Order number _____ Make: Trox</p>
		Price / Item