

Mobile Gas Flue with Filter, LAT

Mobile gas flue with filter

Applications:

Handling of chemical substances in all kinds of laboratories at moderate or room temperature:

- Analysis laboratories
- Research laboratories
- Laboratories for quality control
- Clinical laboratories
- etc.

Filter systems:

The glass cabinets of the type G work with a filter system which consists of an active coal filter and are used for gas filtration.

The glass cabinets of type GS are equipped with both an active coal filter and a HEPA-filter and are used for gas and particle filtration. The HEPA-absolute filter comply with the class H14 (according to standard EN-1822).

All glass cabinets are equipped with a pre-filter made of synthetic bio fiber to filter atmospheric dust. This complies with class G4 (according to standard EN-779).

Active coal filter:

All active coal filters of these glass cabinets are made, impregnated and tested according to standard EN-141. They were designed for adsorption of the following chemicals:

Type A: ideal for organic vapours such as ketone, ether, alcohols, xylene, hydrocarbon etc. It is also suitable for inorganic acids, as long as their content is not too high, because too much acid could harm the filter.

Type BE: ideal for inorganic acids such as H_2SO_4 , HCl , HNO_3 as well as volatile sulphur compounds such as H_2S , SO_3 . Can be used for organic vapours, because active coal is impregnated with metallic compounds and neutralising salts. Also to be recommended for organic and inorganic acids in equal shares.

Type F: ideal for formaldehyde, formol and derivatives as well as other organic compounds. Due to Cu-impregnation never to be used with inorganic acids!

Type K: ideal for NH_3 , amines and for other organic compounds. Impregnated with metallic salts.

Type M: especially for Hg (mercury); should be used in connection with a HEPA-filter for particles.

Type ABEK: combination of several filter types, if the ratio of organic chemicals, inorganic and NH_3 /amines is approximately even.

Serial equipment:

- Anemometer
- Apparatus for checking the saturation degree of the filter
- 3 year warranty

Additional equipment (options):

- Illumination
- Retention pan for liquids and working area made of safety glass
- Mobile rack
- Glass cabinet for training facilities: with transparent side and back walls
- Modules: connection of several extractors
- Filter test kit: to determine filter saturation degree
- 125V, 60 Hz

Technical data:

	ECO ² G	ECO ² GS
Average vol. of air treated (m ³ /h):	175	170
Average face velocity (m/s):	0,50	0,50
Internal hood volume (m ³):	0,287	0,287
Average air renewals per min.:	10,2	9
Total electrical power consumption (W):	90	90
Voltage-frequency (V-Hz):	220 V, 50 Hz	220 V, 50 Hz
Illumination: Philips PLL kit (W):	36	36
Noise level (db):	50	50
Average assembly time (Min.):	20 – 30	20 – 30
Standard CE wiring and earth connection:	Ja	Ja
Inner dimensions (LxDxH):	755 × 560 × 760 mm	770 × 560 × 760 mm
External dimensions (LxTxH):	780 × 600 × 950 mm	780 × 600 × 1010 mm

Article	Order No.
Mobile gas flue with filter, type ECO ² G	10 20 12001
Mobile gas flue with filter, type ECO ² GS	10 20 12002



Activated carbon filter

Article	Order No.
Type A (organic fumes)	10 20 12120
Type BE (inorganic acids)	10 20 12121
Type F (Aldehyde and organic compounds)	10 20 12122
Type K (NH ₃ and amines)	10 20 12123
Type ABEK (composite filter)	10 20 12124

Activated carbon filter for GS

Article	Order No.
Type A (organic fumes)	10 20 12140
Type BE (inorganic acids)	10 20 12141
Type F (Aldehyde and organic compounds)	10 20 12142
Type K (NH ₃ and amines)	10 20 12143
Type ABEK (composite filter)	10 20 12144
Type Mg (mercury)	10 20 12145
HEPA-Filter for GS	10 20 12146

Accessories

Article	Order No.
Gasdetektion	10 20 12130
Gas detection tube (10 pieces)	10 20 12131
UV lamp	10 20 12132
Fluorescent lamp	10 20 12133
Fluid retention tray	10 20 12134
Base cupboard with lockable castors	10 20 12135
overall dimensions (LxDxH) 780 × 600 × 900 mm	

