

Instruction Manual

Mobile Active Carbon Air System

Type: AK-ULS-750-F
AK-ULS-1000-F

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1 Installation

1.1 Unpacking the Goods

Check the delivery immediately on receipt for completeness and transport damage. Damage, if any, must be communicated to the carrier in due time, even in the event that such damage is only found during installation. Damaged goods may not, under any circumstances, be returned to the manufacturer without prior written notice and without the manufacturer's written consent.

1.2 Installation

The mobile active carbon air system does not have to be connected to an external ventilation system provided by the customer.

Exhaust air is filtered through a fleece filter and then blown out at the rear side. The fleece filter must be cleaned regularly or replaced in case of strong dirt accumulation.

1.3 Symbols in the Instruction Manual

The following symbols are used in the instruction manual:



Warning, Caution

Failure to follow these instructions can lead to personal injuries, property damages and, at worst, death.



Additional information

2 Changing the Active Carbon Filter Cartridge

The active carbon filter cartridge is installed in the lower part of the staining table and has to be changed regularly. The operating hours depend on the concentration of the material and the used material. The active carbon filter can be used up to 800 hours. Independently of that concern, we suggest changing the filter at least once a year.



CAUTION!

Switch off the main switch before starting the changing process!

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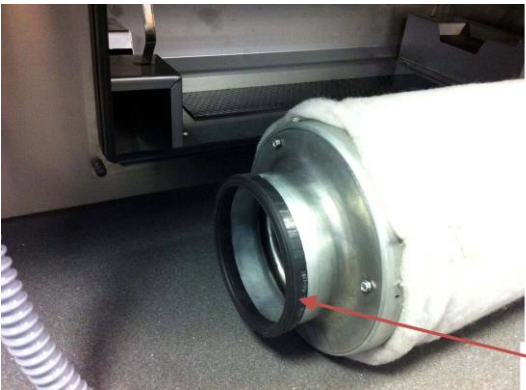


Open the inspection hole using the square key and remove the cover completely.



Open both connecting clips using a wrench and remove the filter cartridge.

Please wear gloves and a mouth protection for your own safety.



The sealing ring of the cartridge is to be checked upon good condition **before** inserting the filter cartridge!

Sealing ring



Insert the new filter cartridge and make sure that the cartridge is fully in contact with the stainless steel housing.

Fix the filter cartridge with the connecting clips

Cartridge is to be fully in contact with the housing

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Close the inspection hole afterwards and make sure that the surrounding sealing is in good condition. Tighten all screws firmly.

3 Commissioning and Maintenance

3.1 Commissioning



- Turn on the main switch (left rocker switch)
- The fan speed can be set at the speed regulator
- The operating hours counter serves to control the operating time of the active carbon filter cartridge.

3.2 Maintenance

- Check all connections upon leaking and damage
- Replace the active carbon filter cartridge regularly

4 Maintenance Tips for Stainless Steel Surfaces

4.1 General Maintenance Tips for Stainless Steel Surfaces

The best thing about stainless steel is that it barely requires maintenance and soiling can be removed easily.

4.2 Initial Cleaning / Cleaning / Preventive Measures

After installing the stainless steel devices and/or furniture, an initial cleaning is to be performed to remove any soiling caused by storage, transport or installation works.

Protective films, paper packaging or residues of adhesives are to be removed completely after having installed the devices or furniture otherwise they might lead to corrosion. For cleaning you may only use suitable cleaning agents (see below). Normally, the corresponding cleaning agent is being distributed evenly on the surface with a microfiber

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cloth. Tough soiling is to be treated with a soft synthetic fleece, e.g.

Then remove cleaning agent stains with clear water and dry the surfaces with soft cloths.

Poorly soluble residues or small scratches can be removed with a suitable non-woven abrasive.

4.3 Cleaning Agents / Cleaning Instruments

Cleaning agents and instruments are to be used in accordance with the instructions of the respective producer.

4.3.1 Stainless Steel Polish / Stainless Steel Cleaner

Stainless steel polish – special cleaning product and protective agent for stainless steel. 400ml spray can.

Article No. 060.010.001

Shake spray can before use. Spray from approx. 25 cm distance and let it sink in for a few minutes. Then remove with a clean, dry cloth. You may sterilize and disinfect the surface if necessary afterwards.

4.3.2 Suitable Cleaning Agents

Basically, alkaline cleaning agents are to be used on stainless steel parts only.

Never use cleaning agents that contain hydrochloric acids or bleach. They might lead to discolorations.

4.3.3 Descaling Agents

Only use off-the shelf descaling agents for stainless steel.

4.3.4 Brushes / Non-Woven abrasives

Brushes made of natural or plastic bristles

Article	Article No.	Grain Size	Dimension L/W
Nylon non-woven abrasive (fine grain)	060.010.002	P 1000	200 x 115mm
Nylon non-woven abrasive (coarse grain)	060.010.003	P 280	200 x 115mm

Cleaning instructions for non-woven abrasives are to be observed provided that it is a

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ground surface. Always clean towards the grinding pattern, never across.

4.3.5 Textiles

Textiles made of natural or chemical fibers. Particularly microfibers are suitable to remove patches or fingerprints from stainless steel surfaces.

Article	Article No	Material	Dimension L/W
Microfiber cloth	060.010.005	80% Polyester 20% Polyamides	400 x 400 mm

5 Spare Parts

Description	Article No.
Active carbon filter cartridge 750 m ³ /h	060.260.011
Fleece filter, type FF-UL-AKFS 750	060.260.120
active carbon filter cartridge 1000 m ³ /h	060.260.024
Fleece filter, type FF-UL-AKFS 1000	060.260.122

6 Technical Details

6.1 Mobile Active Carbon Air Filter System AK-ULS-750-F

6.1.1 Active Carbon Filter Cartridge

Max. operating temperature:	+80°C
Max. relative humidity:	70%
Max. air capacity:	approx. 750 m ³ /h
Noise level:	approx. 55 db (A)

6.1.2 Exhaust Air Fan

Speed:	2120 1/min
Voltage:	230 V/ 50Hz
Power supply:	128 Watt / 0.55 Amp. Including speed controller Including operating hours counter
Exhaust air duct:	DN 200
Dimensions W/D/H:	900 x 520 x 630 mm
Type:	AK-ULS-750-F
Article No.:	060.260.060

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6.2. Mobile Active Carbon Air Filter System AK-ULS-1000-F

6.2.1 Active Carbon Filter Cartridge

Max. operating temperature:	+80°C
Max. relative humidity:	70%
Max. air capacity:	approx. 1000 m ³ /h
Noise level:	approx. 55 db (A)

6.2.2 Exhaust Air Fan

Speed:	2120 1/min
Voltage:	230 V/ 50Hz
Power supply:	128 Watt / 0.55 Amp. Including speed controller Including operating hours counter
Exhaust air duct:	DN 200
Dimensions W/D/H:	1200 x 520 x 630 mm
Type:	AK-ULS-1000-F
Article No.:	060.260.021



DECLARATION OF CONFORMITY

We KUGEL medical GmbH & Co. KG
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Explain in own responsibility, that the product:

Kind of equipment: Mobile recirculated active carbon air systems

Type: AK-ULS-750-F, AK-ULS-1000-F

Is in compliance with following standard specifications or documents

Technical regulations: 2006/42/EG, DIN EN 349, VDE 0100

Regensburg, 05.05.2018

Authorized representative signature