

# UK1 12VDC Air Filter Unit



## IMPORTANT SAFETY INFORMATION

**Read all instructions before using the appliance and retain for future reference.**

- When using electrical appliances basic safety precautions should always be followed.
- Use a suitable power supply for the unit. Ratings are specified on the unit control panel. The UK1 requires a 12V DC power supply with an 80W / 6A capability.
- When not in use for extended periods, switch the appliance off and disconnect from the power supply.
- This product should never be used at high temperature, high humidity or in a flammable, explosive and strong electromagnetic environment.
- This appliance can be used by children aged from 8 years and above if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- This appliance contains no user-serviceable electrical parts. All repairs should only be carried out by RVA Synergies Ltd. Improper repairs may place the user at risk of harm and will invalidate the warranty.
- Do not operate the appliance with damaged electrical plugs or cables.
- Ensure there is sufficient space and ventilation around the appliance to allow the escape of heat and extracted clean air.
- Do not expose to rain or moisture. For indoor use only.
- Do not use the appliance for any purpose other than that for which it is designed.

## PRODUCT OVERVIEW

- The product is for use as a dust, gas and particle air purification filter.
- Adjustable fan speed enables optimum balance of air volume and noise reduction.
- Filter block is pre-installed in a sealed pack. Inner packaging must be removed before use.

## OPERATION

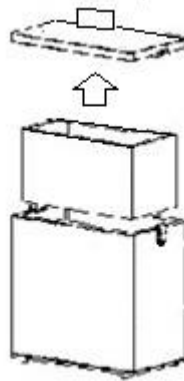
- Position the unit on a solid surface near a 100mm inlet hole in a wall.
- Remove the top lid of the unit using the clips on each side. Lift out the sealed filter block. Remove packaging and lower the filter back into the unit. Re-attach clips and ensure that the lid is applying pressure to the filter block, which creates an air seal.
- Connect an appropriate length of 100mm ducting to the inlet on the top of the unit using duct clips and or duct tape, ensuring a good visible seal.
- Connect a suitable 12VDC power supply to the '12VDC IN' socket on the front of the unit using the supplied wire-able plugs. Pin1=+ Pin2+-.
- Move the ON/OFF switch to the 'ON/1' position.
- To switch the fan on and change the fan speed adjust the speed control on the front of the unit from low to high as required.
- After use, return the speed control to minimum, and move the ON/OFF switch to the 'OFF/O' position.



**MAINTENANCE**

- The filter block will require periodic replacement depending on the type of use the device is put to.
- If the output becomes reduced or laboured inspect and replace the filters and ductwork as required.
- Disconnect the unit from power supply.
- To access the filter block unlatch the two catches on either end of the top lid. Remove the lid and lift out the filter block

- Pre filter sheet - cotton particle filter - check and element sits on top of the main elements.
- Combined HEPA 13 Filter 99.97% particles and Replace every 3-9 months of use.



replace every 10-15 days usage. This filter  
 TEDA carbon (Radioactive iodide) block.

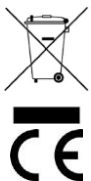
**Replacement of filter block**

- Replace with HEPA13TEDA filter block from RVA packaging. Lower into the unit.
- When the new filter block is in position, replace the lid and ensure the retaining clips are engaged.
- Re-attach the ductwork and adjust as required.
- Reconnect the 12VDC power supply. Turn on the power switch and adjust the fan speed.

Synergies Ltd. Remove filter block

**SPECIFICATION**

Power	12VDC 80W / 6A Max
Airflow speed	1500 ft/m Max
Airflow volume	65CFM (Cubic feet per minute) Max
Weight	16Kgs



**INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.**

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.

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