

Airclean H14 True HEPA Air Purifier (HAP) (Coarse +H14 + Activated Carbon)

Offices, Waiting Rooms, Surgeries, Gyms, Homes

- H14 HEPA Air Purifier / Air Cleaner incorporating 3 stage filtration for cleaning the air in indoor environments.
- Removes Fine particulates down to 0.1 microns with a leak tested True H14 HEPA Filter to EN 1822
- Removes Coarse Particulates using a 65% Coarse Panel Air Filter to ISO 16890
- Removes Odours, VOCs and pollutant gases with a deep bed activated carbon filter
- Powerful fans operate up to 500m³/hr (HAP500) and 700m³/hr (HAP675)
- The air purifier / air cleaner can be ducted for use in medical isolation rooms
- The Air Purifier can be ducted and combined with fan coil vent systems in offices to improve filtration
- All Filters, and the Air Purifier Manufacture in our Kent, UK factory.

The Airclean H14 HEPA Air Purifier / Air Cleaner will clean air in indoor environments by the removal of ultra-fine particulates, odours, VOCs and Pollutant gases. The H14 HEPA Filter used in the Air Purifier is a True and individually Tested H14 HEPA offering filtration down to 0.1 micron particulates.

The deep bed Activated Carbon Filter offers a long contact time maximising its capability and life for the removal of odours, VOCs, and pollutant gases including Nitrogen Dioxide.

The Airclean H14 HEPA Air Purifier has been designed and manufactured in the UK in our Kent factory. Airclean have been manufacturing HEPA air filters for medical, clean room and air purifier use for 30+ years.

Applications

The Airclean HEPA Air Purifier is designed to clean air in indoor environments by the removal of fine particulates, odours, VOCs and Pollutant gases such as Nitrogen Dioxide, by drawing it through the highest efficiency air filters.

1. Air Purifier / Cleaner

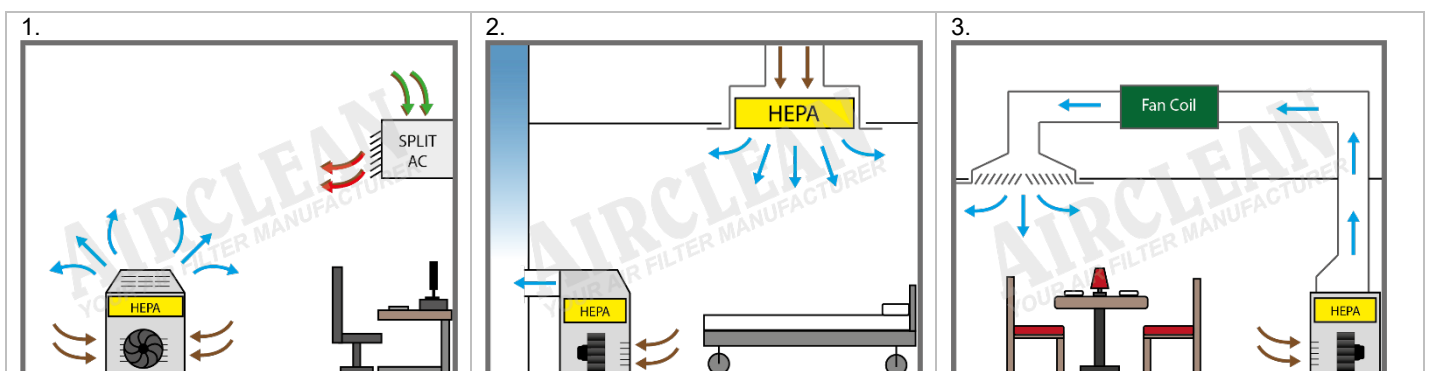
The Airclean HEPA Air Purifier will improve air quality, and reduce infection transmission in any scenario, independent of existing heating and cooling systems, by recirculating and cleaning the air.

2. Negative Pressure Infection Control

By adding a duct outlet to the top of the HEPA Air Purifier, the unit can be set up to discharge through a wall, or window creating a negative pressure. This function can be used in hospitals or care homes to prevent infection spread, whilst ensuring the discharged air is safe.

3. Fan Coil Ventilation Systems

The Airclean HEPA Air Purifier can be mounted in a room and ducted to supply fresh clean air to the back of existing fan coil air conditioning. The fan in the Air Purifier allows the system to be balanced, allowing existing fan coil fans, to handle the strain.



Technical

The HEPA Air Purifier includes a 2-speed switch giving users access to a trickle and boost setting. The two speeds are pre-set when supplied, and can be fully adjusted by two discreet dials located in the base of the unit, to allow for fine control as required.

The unit is constructed from a combination of plastic-coated steel, and powder coated steel, which is hygienic and cleanable as required.

HEPA Air Purifiers come as standard, with white label branding. The unit does offer available space for corporate branding, or an awareness campaign as required.

Power: 80 Watts, Single Phase, 240V, 1 amp (HAP500) / 160 Watts, Single Phase, 240V, 2 amp (HAP675)

Noise: 40 to 60 dBA (5-100% Speed Setting (HAP500)) including activated carbon filter.

Coarse 65% Pleated Panel Filters (Anticipated Change Rate – 6 Months Maximum)

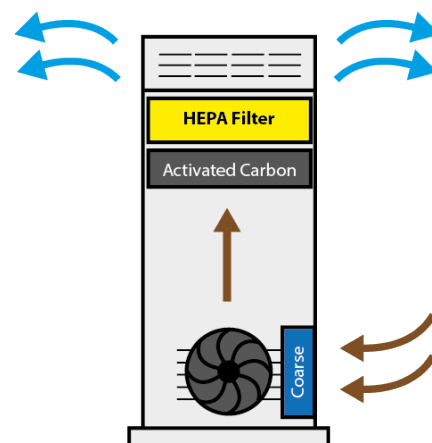
The first filter in the Airclean HEPA Air Purifier is designed to remove large particulates including PM10 and PM2.5 and acts to pre filter air prior to entering the unit. This filter meets ISO16890 to Coarse 65%

Activated Carbon Filter – (Anticipated Change Rate – 1 Year Maximum)

The Activated Carbon Filter contains Virgin Activated Carbon attaining a contact time long enough to remove odours, VOCs, and pollutant gases. This filter has one of the deepest carbon beds available in an air purifier, guaranteeing maximum removal efficiency and life.

H14 HEPA Filter - (Anticipated Change Rate – 1 Year Maximum)

The Airclean HEPA Filter is individually DOP Scan Tested to meet EN1822. Filters are highly efficient remove particulates down to 0.1 micron and tested to be 99.997% efficient at 0.3 microns. Our unique mounting system ensures that air will not bypass the HEPA.



Model	Part Number	Maximum Airflow (not ducted*)				Total Weight	Dims. (mm)			Included Filters
		Excl Carbon		Incl Carbon			H	W	D	
		m³/hr	l/s	m³/hr	l/s					
HAP500	1845201	500	140	180	50	50kg	1015	425	425	Coarse + Activated Carbon (3.5kg) + H14 HEPA
HAP675	1845205	675	190	250	70	70kg	1015	725	425	Coarse + Activated Carbon (6kg) + H14 HEPA

Extras	
1845209	Ducted Outlet Option for HAP500 HEPA Air Purifier – 100mm Diameter*
1845210	Ducted Inlet Option for HAP500 HEPA Air Purifier – 100mm Diameter*
1845203	Ducted Outlet Option for HAP500 HEPA Air Purifier – 200mm Diameter*
1845204	Ducted Inlet Option for HAP500 HEPA Air Purifier – 200mm Diameter*
1845207	Ducted Outlet Option for HAP675 HEPA Air Purifier – 300mm Diameter*
1845208	Ducted Inlet Option for HAP675 HEPA Air Purifier – 300mm Diameter*

*Where a system is to be used in a ducted system maximum airflow duty will be reduced depending on the external pressure of a system. For details please contact your air movement distributor or Airclean for further details.

Spare Filters						
Small	1130538	Pre Filter	1610904	Carbon Filter	1510870	HEPA Filter
Large	1130539	Pre Filter	1610905	Carbon Filter	1510871	HEPA Filter