

## Technical Bulletin – HEPA Filter Applications

This technical bulletin aims to explain various scenarios that are currently being investigated to improve or introduce infection control in the workplace, hospitals, homes, schools, and other indoor environments

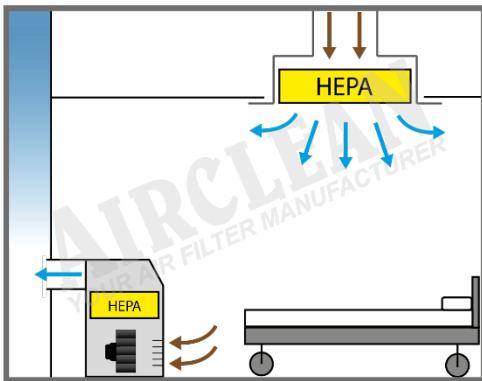
Improved ventilation and infection control are becoming a requirement in all applications in light of the Corona Virus Pandemic.

The Airclean HEPA Air Purifier, and the Airclean Fan + Filter Systems offer simple, retrofittable solutions.



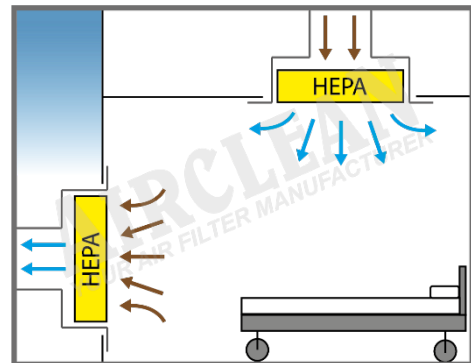
See the Airclean Website or contact us on 01622 832777 to discuss our supply and extract air filter options including fully tested H14 HEPA Filters.

### HOSPITAL / CAREHOME ISOLATION ROOM - Emergency



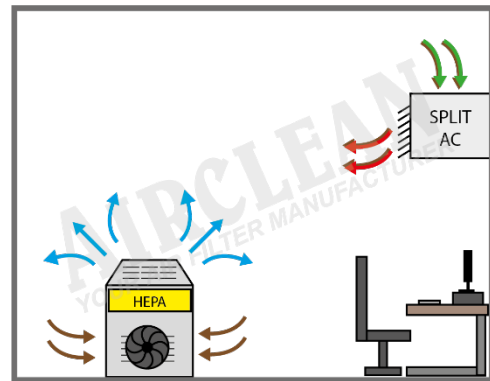
Extract : Airclean HEPA Air Purifier in extract setup discharging through wall or window, to put room under negative pressure.

### HOSPITAL ISOLATION ROOM – Typical



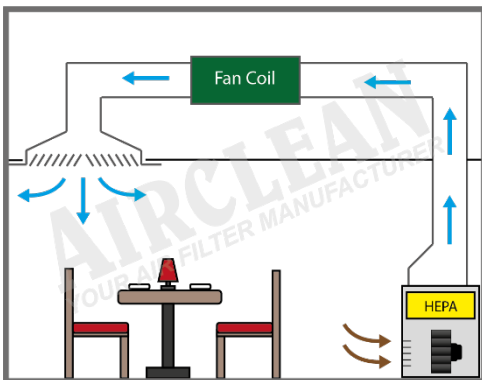
Extract : Standalone fan extracts through wall mounted HEPA Terminal Housing maximising infection control, both in and out of the room.

### All Scenarios - No HVAC Option – Care Home, Office, School, etc...



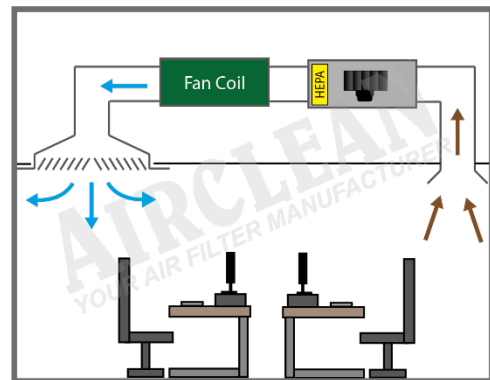
The Airclean HEPA Air Purifier will improve air quality, and reduce infection transmission in any scenario, independent of existing heating and cooling systems, by recirculating and cleaning the air.

### FAN COIL SYSTEMS – Scenario 1 (Restaurants, Offices)



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.

### FAN COIL SYSTEMS – Scenario 2



The Airclean Fan + Filter Unit can be mounted in the ceiling void supporting an existing fan coil, or air handling unit, to improve filtration. The fan within the Fan + Filter Unit removes any additional load on existing equipment.