

# COVID-19 Precautions Air Cleaner, Negative Pressure

CDC states that the main transmission method is through airborne droplet nuclei which confirms the importance of air filtration in the prevention of cross infection. The particle size of viruses ranges from 0.05 to less than 0.005 microns but they typically attached to larger particles when airborne. These particles are generally around 1 micron in size. Viruses typically become airborne via droplet nuclei. Droplet nuclei are microscopic particles < 5 µm in size that are the leftover particles of evaporated droplets and are produced when a person coughs, sneezes, shouts, or sings. These particles can remain suspended in the air for prolonged periods of time and can be carried great distances on air currents.

There are systems and areas within buildings that the upgrade of filtration is simply not practical. One possible solution is a portable air cleaner like the TRI-KLEEN 400UV that utilizes HEPA filtration and UV lights. These units allow for increased filtration as well as more air changes to provide a cleaner space.

Place the device as close as possible to the occupants location, so they breathe the actual filtered air. The larger the distance to the unit, the higher the chance to inhale swirling contaminants which could include viruses.

In addition the TRI-KLEEN 400UV has an optional exhaust grille that will allow for a flex duct to be attached and allow for the air to be exhausted to created a negative pressure in a space to allow for containment in a specific space.

More details available from your local TRI-DIM representative.

Tri-Dim Filter Corporation is committed to continual product development - all descriptions, specifications and performance data are subject to change without notice. Tri-Dim products are manufactured to exacting criteria - there can be a ±5% variance in filter performance.



**LOCAL REPRESENTATIVE**