

Particulate & Gas Phase Filtration

MICROCON® CD with Germicidal UV

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Features

- 99.7% efficiency on sub-micron particles
- Progressive filtration system
- Controls both airborne particulate and gas-phase pollutants
- Mounts flush with ceiling
- Multi-directional exhaust louvers
- Baked on white enamel finish

The MICROCON® CD is a ceiling mounted air filtration system that is specifically designed for the removal of both airborne pollutants and gaseous contaminants from indoor environments. Placed in a standard 2' x 4' T-bar ceiling channel, air is drawn through the center grille section, pre-filtered, and final filtered before being exhausted through two carbon filter cells. Clean air, free of particulate and gaseous odors, is reintroduced to the room. Air changes, filtration, dilution and gas-phase contaminant removal will provide a healthier environment.

MICROCON CD with optional UV lamps



Ultraviolet germicidal (UV) radiation in the 254-nanometer wavelength has proven effective in killing most types of airborne bacteria and viruses. Coupled with a high efficiency filter cell upstream of the two UV lamps the germicidal effectiveness is greatly enhanced. The addition of the UV lamps to the MICROCON CD provides for a "total air quality solution" for just about any indoor environment.



Filtration

The MICROCON CD is a three-stage progressive filtration system. The first stage is a 1" thick synthetic pre-filter designed to contain larger size airborne particles thereby extending the life of the final filter. The secondary or final filter is a hospital-grade, high-efficiency pleated filter cell capable of removing virtually 100% of airborne particles in the sub-micron range. Since removal of gas phase pollutants require a different capture mechanism – carbon or charcoal, a unique carbon composite cell is utilized as the last stage which allows for higher adsorbent loading at a lower pressure drop than comparable carbon cells.

Circumflow® Air Pattern

