



# CCU HEPA Filtration Units



*When  
Clean  
Air  
is  
Critical*



## The CCU Contamination Control Unit

- Designed to create negative or positive pressure zones and reduce airborne contamination.
- Unique system provides HEPA Filtration, and Germicidal U.V. irradiation, or Gas Phase Filtration.
- Portable or stationary applications.
- Available in 400 CFM, 500 CFM, 750 CFM, and 2000 CFM models.

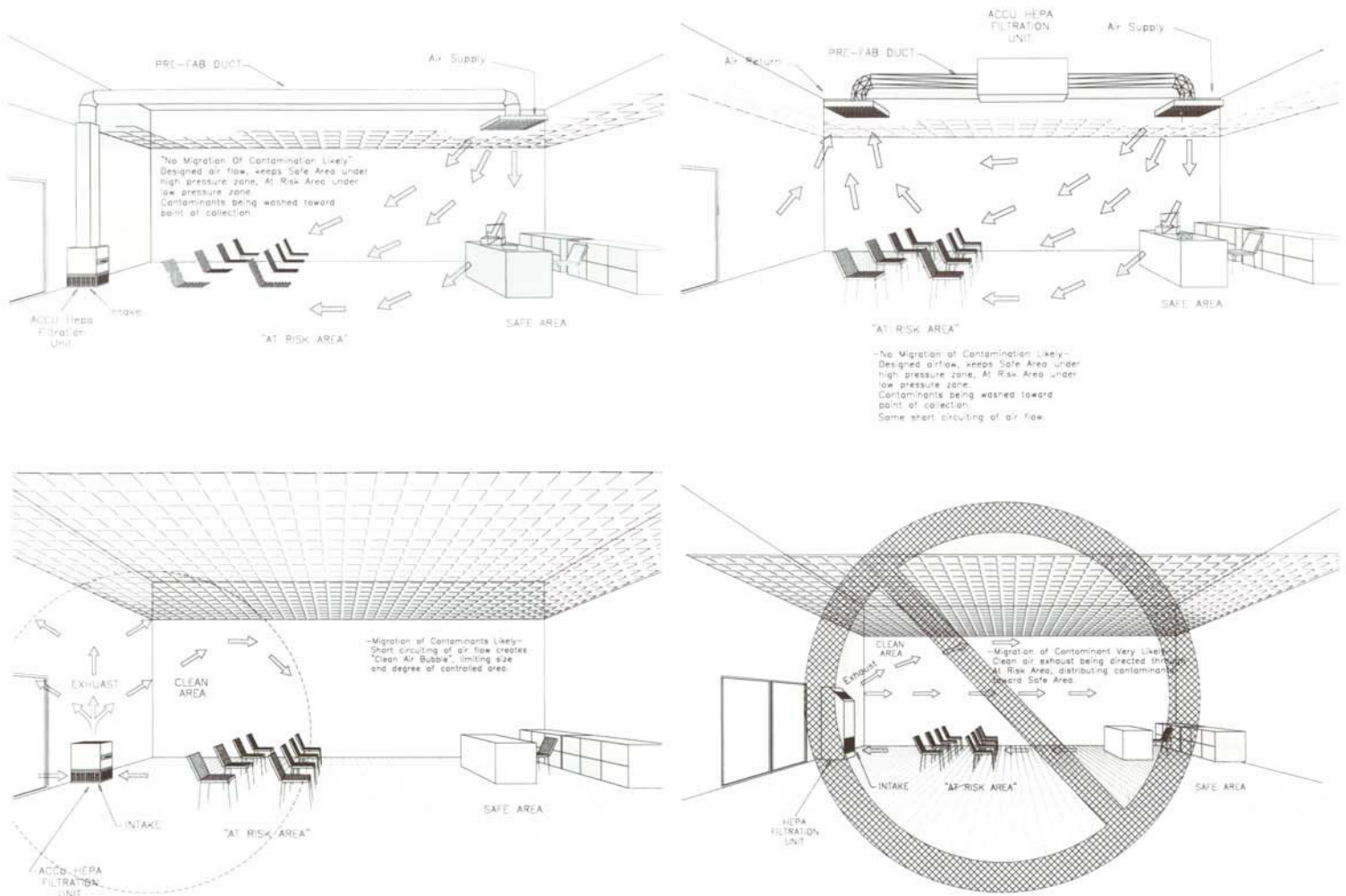
## Innovation in Air Filtration

# CCU

By effectively accelerating the air exchange rate within a biohazardous area the CCU self-contained purification unit realistically reduces microbial contamination within the area, while trapping and killing organisms within its filtration system. The air exchange rate is increased from one to several times the normal rate, depending on room size, unit size, or selected fan setting.

## Guidelines for using equipment and filters for isolation areas

**DILUTION:** One way of diluting contaminated air is through a continuous recirculation and “washing” process utilizing the CCU unit. Contamination control is effective in an occupied area but is mostly used to decontaminate an area after the source of contamination is removed.



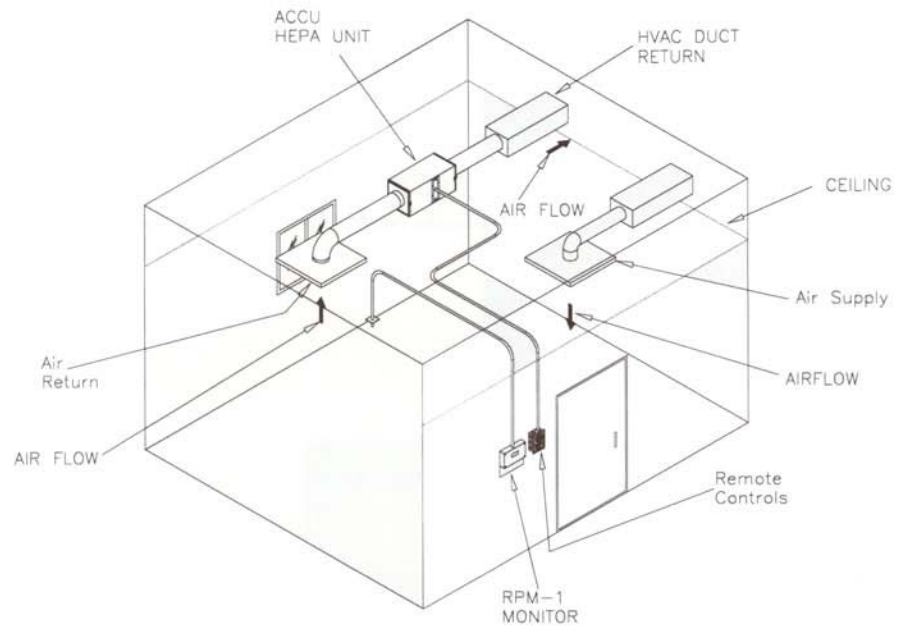
# (Contamination Control Unit)

## ***NEGATIVE AIR PRESSURE***

A .CCU unit is ideally suited for creating a low pressure zone when properly placed in a contaminated environment. Air will move from high pressure zones (outside the room) to inside the room to create a negative pressure isolation environment and prevent migration of contamination.

## ***POSITIVE AIR PRESSURE***

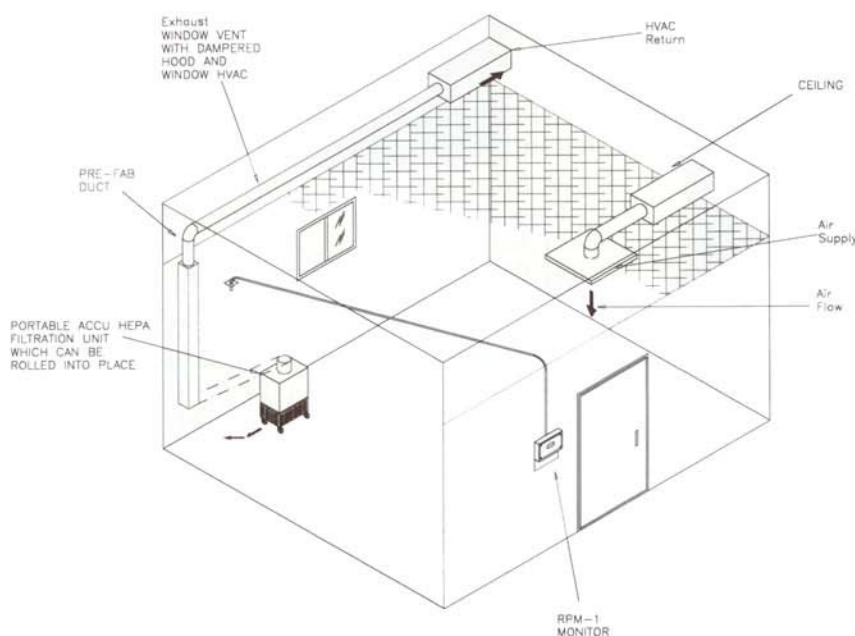
.CCU units can be used to create high pressure zones to prevent contamination from entering a “clean” environment. Air will move from the high pressure or “clean zone” to the low pressure area (outside the room) to prevent migration of contamination.



## ***GERMICIDAL UV-C RADIATION***

Under typical indoor temperatures and relative humidity lower than 70% UV Radiation rapidly kills airborne bacteria and viruses and has been shown to have superb disinfecting action when radiation is emitted at the proper wavelength.

The .CCU unit incorporates Germicidal UV-C radiation in the short wavelength region near 254-nm. By “managing” potentially high-risk airborne pathogens, the unit will concentrate particles into its intake chamber where they will be subjected to intense short wave U.V. radiation.



# Contamination Control Units

are available in 400 C.F.M., 500 C.F.M., 750 C.F.M., and 2000 C.F.M. models, with and without U.V. lighting, to meet all isolation area requirements. Specifications for each follows:

## CCU-V400/V400UV

### Contamination Control Unit

HEPA Efficiency . . . . . 99.97%  
 Air Flow in CFM. . . . . 500-400-300  
 Speed Adjustment. . . . . 3-speed  
 Power Requirement . . . . . 115/1/60  
 Amps. . . . . 5  
 Dimensions . . . . . H: 38.5", W: 15", L: 15"  
 Housing. . . . . Stainless Steel  
 Pre-filter Size . . . . . (2) 14" x 14"  
 HEPA Size. . . . . 12" x 12" x 12"  
 Weight. . . . . 80 lbs.

## CCU-V500/V500UV

### Contamination Control Unit

HEPA Efficiency . . . . . 99.97%  
 Air Flow in CFM. . . . . 500-400-300  
 Speed Adjustment. . . . . 3-speed  
 Power Requirement . . . . . 115/1/60  
 Amps. . . . . 5  
 Dimensions . . . . . H: 38.5", W: 15", L: 15"  
 Housing. . . . . Stainless Steel  
 Pre-filter Size . . . . . (2) 14" x 14"  
 HEPA Size. . . . . 12" x 12" x 12"  
 Weight. . . . . 80 lbs.

## CCU-V750/V750UV

### Contamination Control Unit

HEPA Efficiency . . . . . 99.97%  
 Air Flow in CFM. . . . . 750  
 Speed Adjustment. . . . . 3-speed  
 Power Requirement . . . . . 115/1/60  
 Amps. . . . . 10  
 Dimensions . . . . . H: 47", W: 27", L: 17"  
 Housing. . . . . Stainless Steel  
 Pre-filter Size . . . . . (2) 16"x24" (4-ply Tri-Dek)  
 HEPA Size. . . . . 12" x 24" x 12" (HEPA-Max)  
 Weight. . . . . 140 lbs.

## CCU-V2000/V2000UV

### Contamination Control Unit

HEPA Efficiency . . . . . 99.97%  
 Air Flow in CFM. . . . . 2000-1600-1200  
 Speed Adjustment. . . . . 3-speed  
 Power Requirement . . . . . 115/1/60  
 Amps. . . . . 10  
 Dimensions . . . . . H: 47", W: 27", L: 27"  
 Housing. . . . . Stainless Steel  
 Pre-filter Size . . . . . (2) 25" x 25"  
 HEPA Size. . . . . 24" x 24" x 12"  
 Weight. . . . . 180 lbs.



CCU V-500



CCU V-2000



6300 Limosine Dr. STE 120

Raleigh, NC 27617

Phone: 877-844-3293 Fax: 919-518-1667

E-mail: [info@industrialairsolutions.com](mailto:info@industrialairsolutions.com)