



# Campus Services

## HVAC Systems & Maximum Fresh Air Strategy

August 4, 2020

# HVAC Systems and Fresh Air Strategy

The university is implementing several HVAC system measures to support the health and safety within facilities. The following outlines the key measures taken and is supported by a graphical depiction on the following page.

1

**Maximizing Fresh Air:** Adjusting outside air dampers to allow maximum fresh air to occupy spaces based on the HVAC Unit's design.

2

**Enhanced HVAC Routines:** Increasing frequency of tours & inspections. Monitoring Building Management System & improving control parameters.

3

**UV Lighting:** Improving indoor air quality by using UV lighting on the HVAC equipment which reduces bacteria, viruses, and mold that may be in the air stream.

4

**Exhausts/Air Returns:** Reducing the amount of air that returns to the supply fan to approximately 10% (*previously 80%*).

5

**Exhaust Return:** Removing ("exhausting") air that is not returned to the supply fan.

**Typical Air Handler System:  
Optimized Control For Fresh Air**

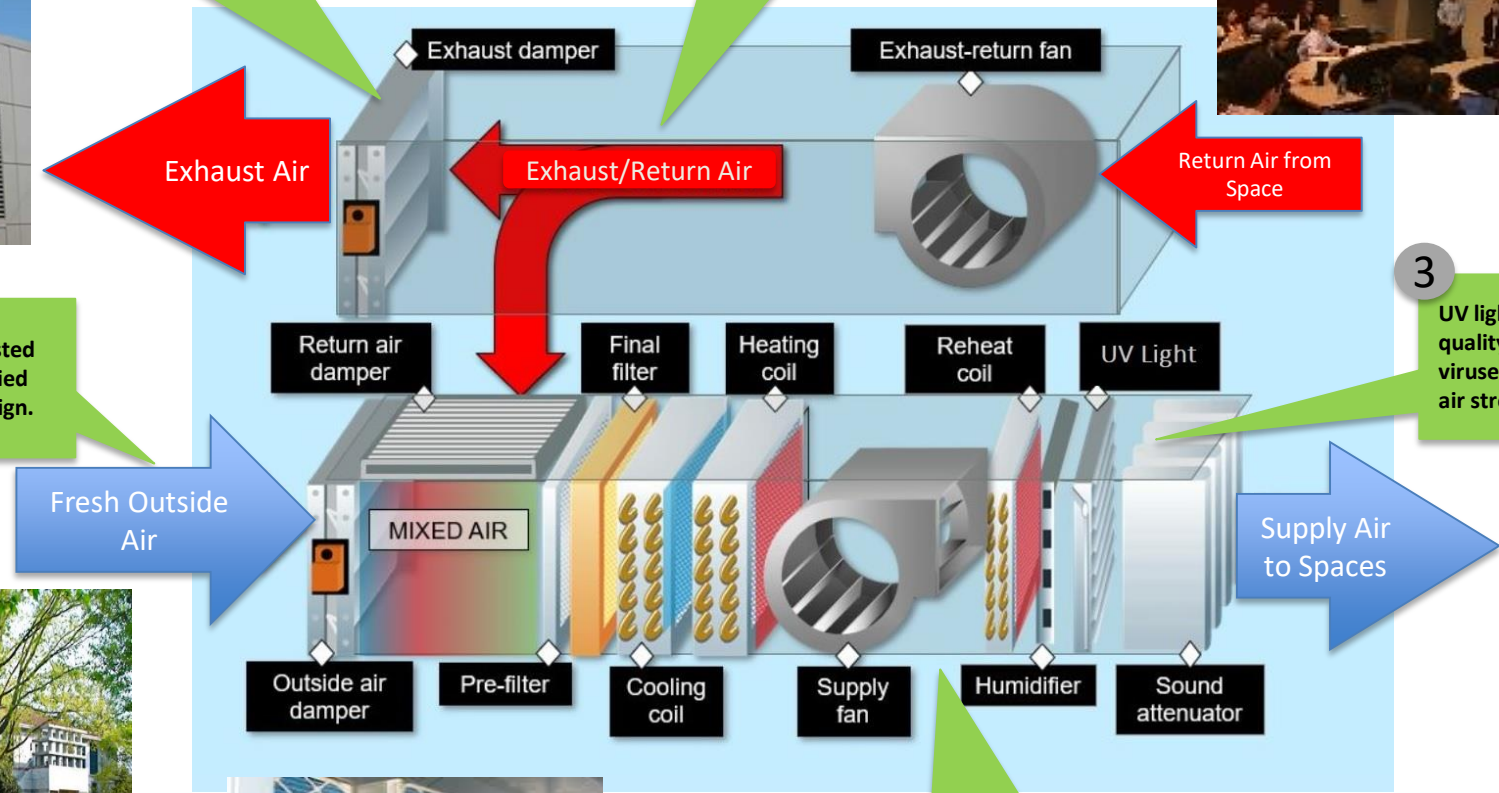
5 Air not returned to the supply fan is exhausted.

4 Air that returns to the supply fan has been reduced to approximately 10%. (Previously 80%).



3 UV lighting improves indoor air quality by reducing bacteria, viruses & mold that may be in the air stream.

1 Outside air dampers have been adjusted to allow maximum fresh air to occupied spaces based on the HVAC Unit's design.



2 Enhanced HVAC routines:

- Increased frequency of tours & inspections.
- Building Management System monitoring & control parameters improved.

