

Email Newsletter

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*"We shape our buildings;
 Thereafter, they shape us."*
 - Sir Winston Churchill



ASK the Expert?

Q: What types of sensors are used in Demand Control Ventilation.

A: CO₂ sensors are most common followed by moisture, heat, photo cells and occupancy counters



**Occupational Safety
 and Health Administration**

1. OSHA's COVID Vaccination-or-Weekly Testing Emergency Temporary Standard was blocked by the US Supreme Court on January 13, 2022. This sets in motion employer self-mandated rules.

2. The requirement for CMS funded health care workers to be vaccinated was upheld.



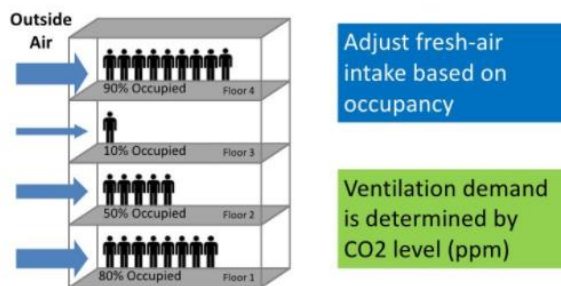
3. Supply chain management is moving from Just-in-Time to short-term warehouse storage. Why? To capture productivity when scarce skilled labor is available. Storage costs are small versus labor costs.

Demand Control Ventilation (DCV)?

Developed in the 1980's for energy conservation, DCV uses sensors to measure the need for fresh outside (OA) air as occupancy increases. The OA air dilutes indoor pollutants. The key concept is that OA supply is constantly matched to occupancy. This is more efficient than either continuous or programmed HVAC operation. DVC systems are endorsed by the U.S. Green Building Council. It's a double win - both energy savings and better indoor air quality. If you have or want DVC, test your carbon dioxide levels to evaluate potential benefits.

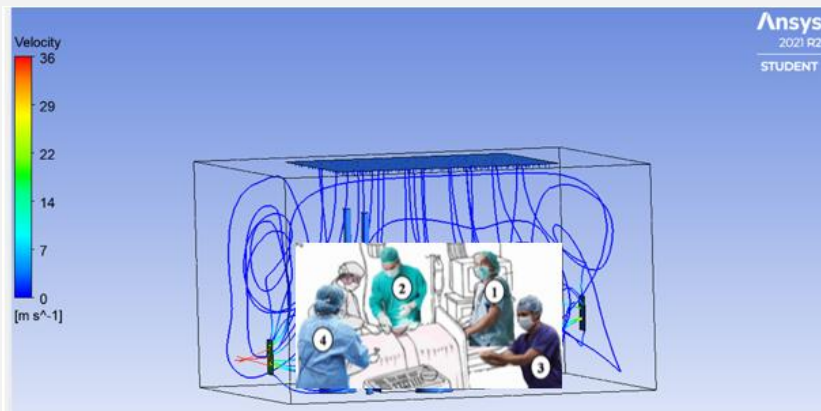


Demand-Controlled Ventilation (DCV)



Computational Fluid Dynamics (CFD)

You can't improve what you don't measure. Worse. You could measure the wrong thing. CFD is software used to solve airflow problems. Air streamlines reveal invisible pathways. It can be done using your own BMS outputs - no onsite interruption.



	Yes	No
Clean Room (Hospital & Drug) Applications <input checked="" type="checkbox"/>	<input type="checkbox"/>
Office Space & Industrial Applications <input checked="" type="checkbox"/>	<input type="checkbox"/>