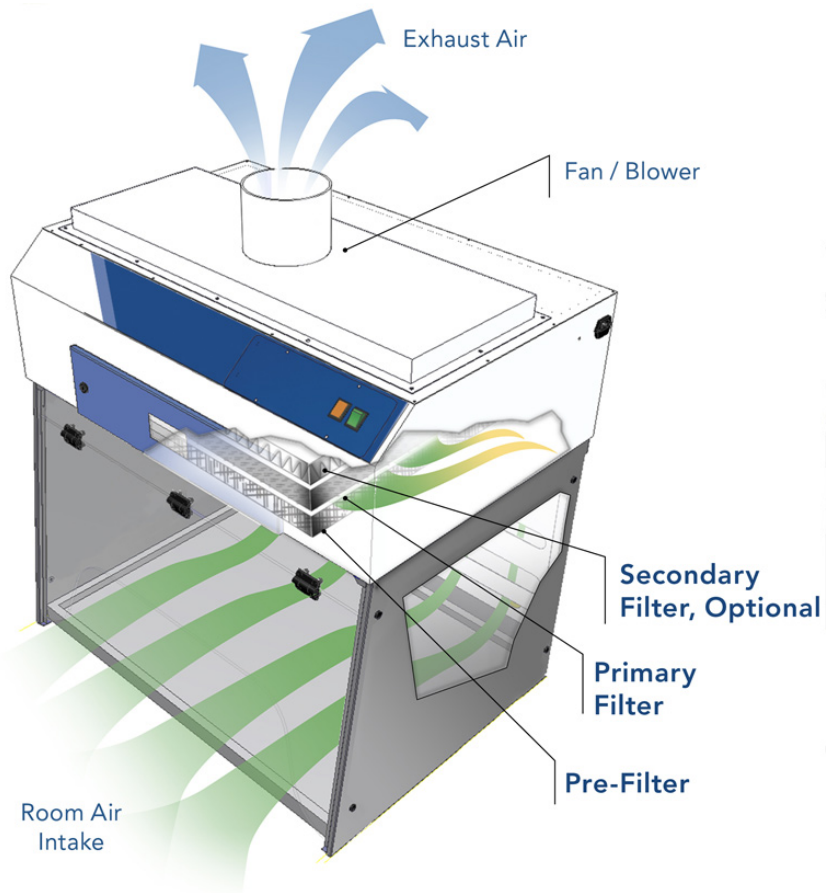
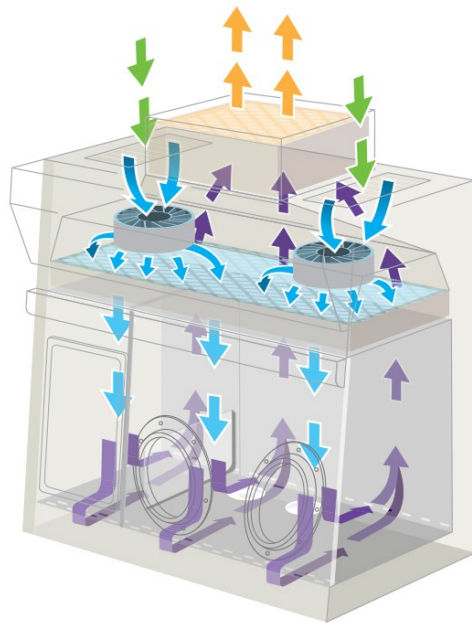


C-PEC (CVE) (Non-Sterile Hazardous)



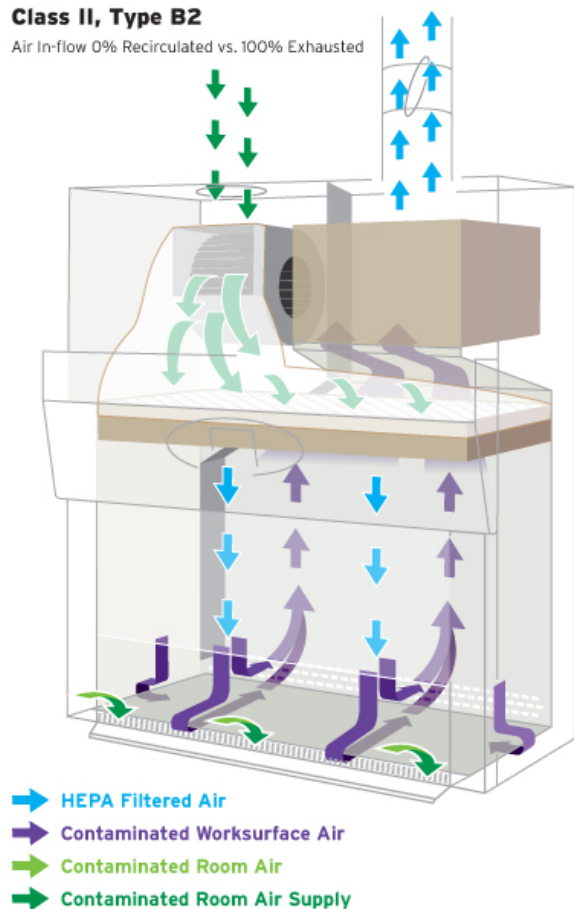
- Containment Ventilation Enclosure
 - Fan/Blower pulls room air directly over work surface and passes it through optional **redundant HEPA** filters before recirculating back into the room or out of the building (**externally vented**)
 - Variable sash, flow does not vary based on sash position (**constant volume**)
 - Provide **Air Flow Valve** to ensure proper CFM at all times and local display to adjust airflow if needed

C-PEC (CACI) (Sterile or Non-Sterile Hazardous)



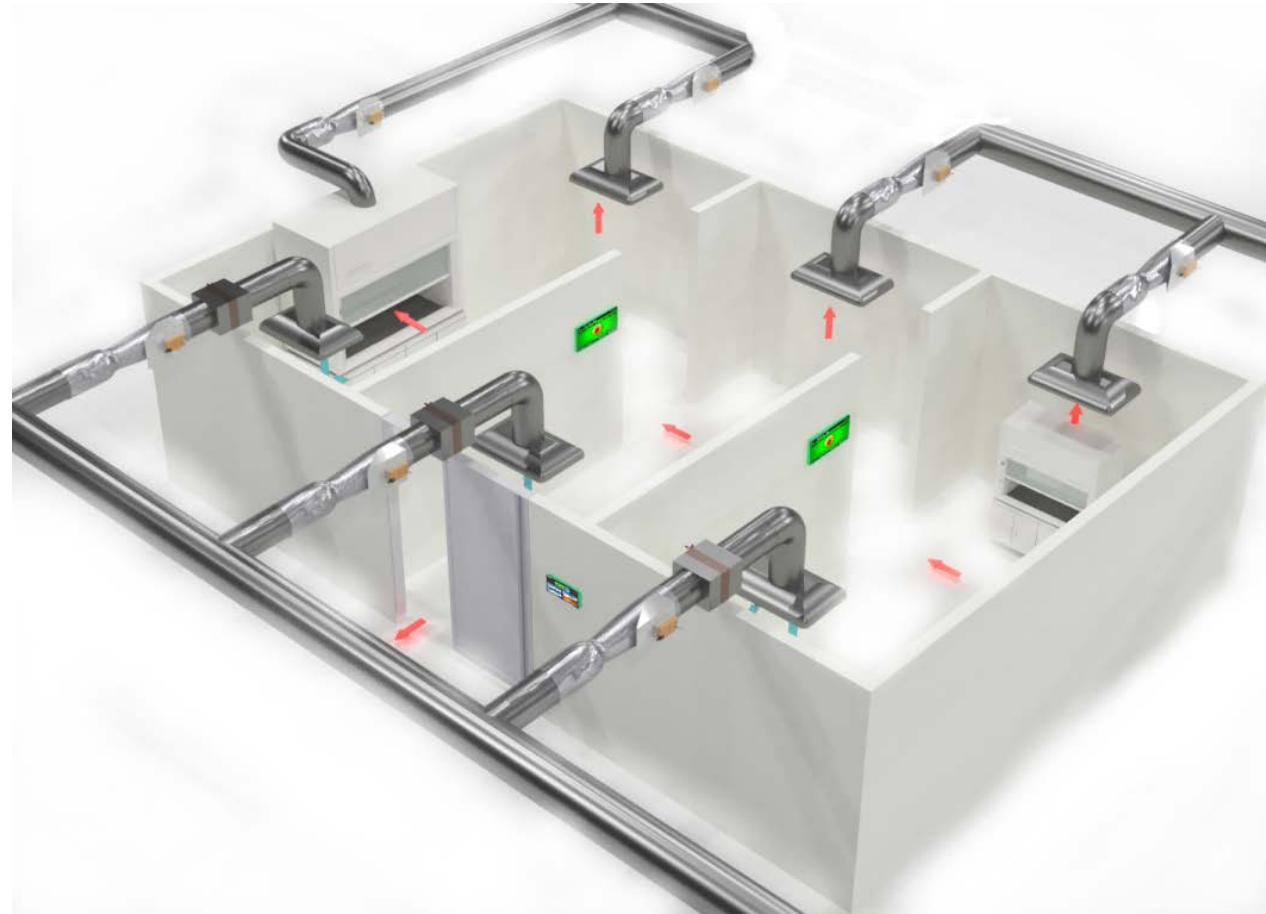
- Compounding Aseptic Containment Isolator
 - Blower sucks in room air and passes it through a HEPA filter directly down onto the work surface where it then gets exhausted out the building (**externally vented**)
 - **Restricted access barrier system**
 - No sash, flow does not vary (**constant volume**)
 - Provide **Air Flow Valve** to ensure proper CFM at all times and local display to adjust airflow if needed

C-PEC (Class 2 BSC) (Sterile or Non-Sterile Hazardous)

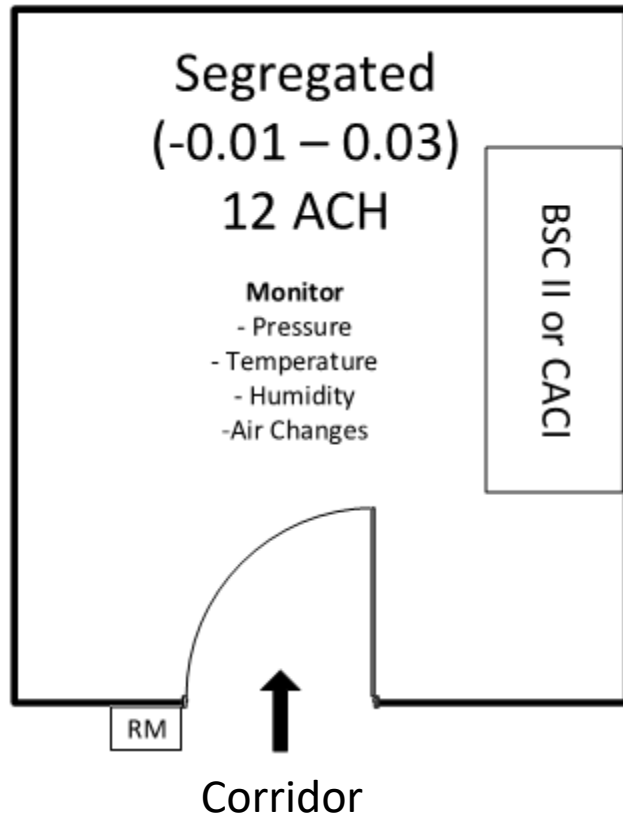


- Class 2, **Type B2** Bio Safety Cabinet
 - Blower sucks in room air and passes it through a HEPA filter directly down onto the work surface while **100%** gets exhausted out of the building (**externally vented**)
 - Variable sash, flow does not vary based on sash position (**constant volume**)
 - Provide **Air Flow Valve** to ensure proper CFM at all times and local display to adjust airflow if needed

Pharmacy Designs



Non-Sterile HD Compounding Pharmacy (SCA)

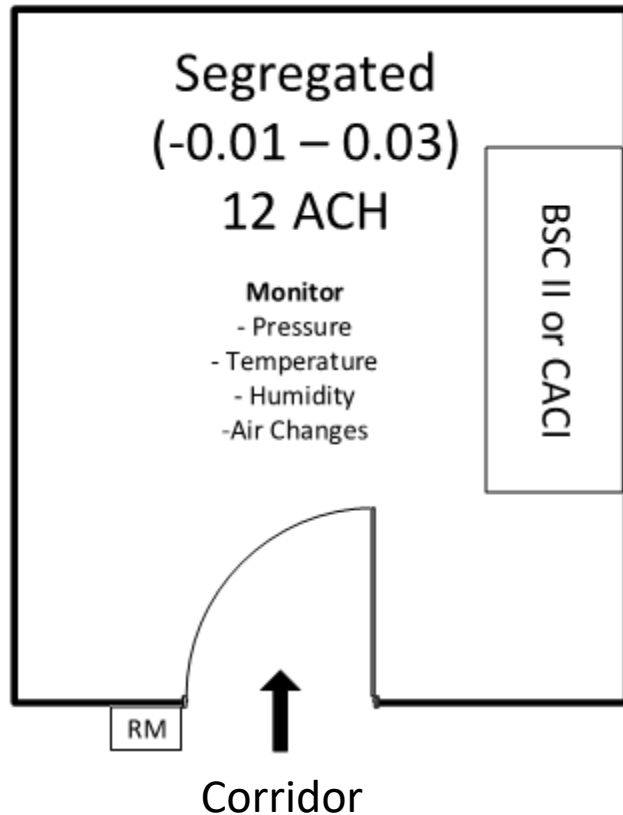


- No Ante Room is required since Non-Sterile
- Externally Vented
- May be used as storage of Non-Sterile HDs
 - If Refrigerated storage, an additional exhaust grill adjacent to compressor behind the refrigerator is required

Design Considerations

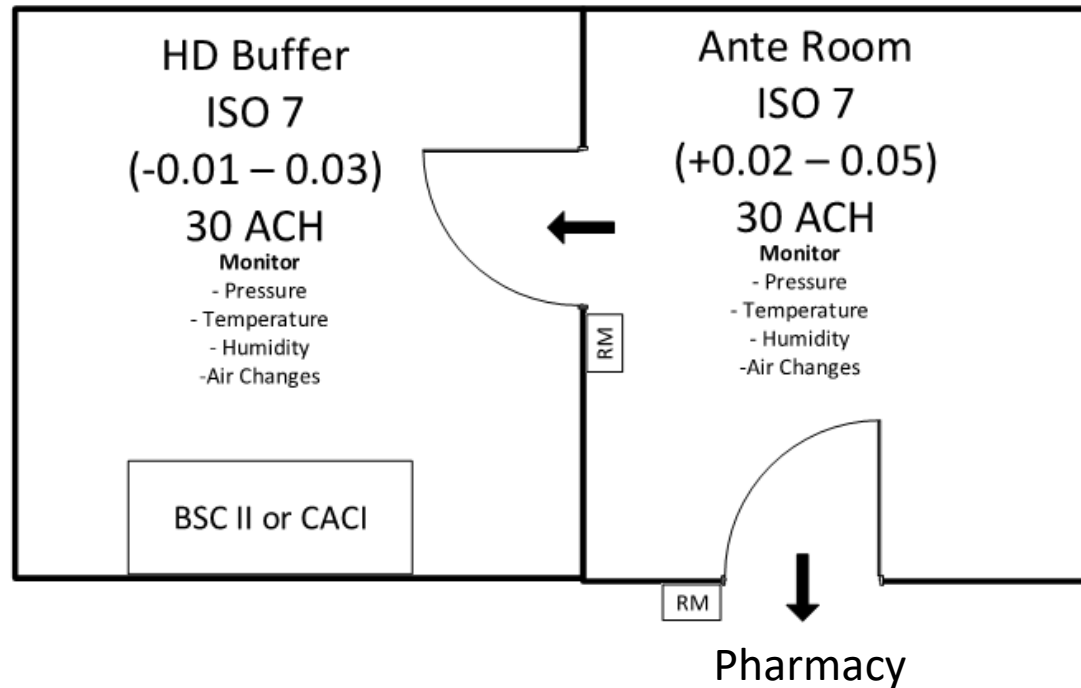
Supply tracks externally vented PEC to maintain an offset. Depending on room size may need General Exhaust to achieve 12 ACH.

Sterile HD Compounding Pharmacy (SCA)



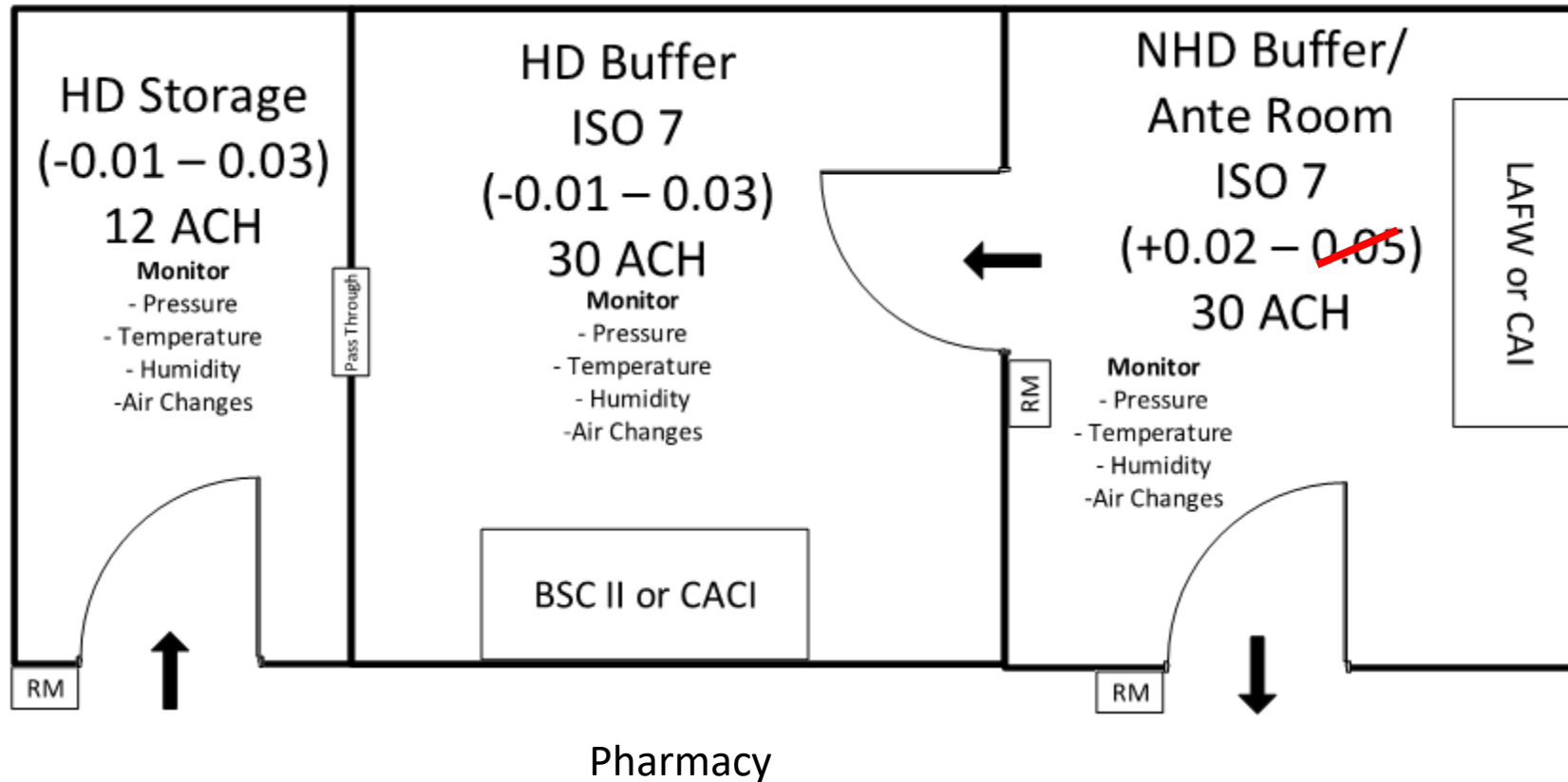
- **Maximum BUD ≤ 12 hours**
- May be used as storage of Sterile HDs
 - If Refrigerated storage, an additional exhaust grill adjacent to compressor and behind the refrigerator is required

Sterile HD Compounding Pharmacy



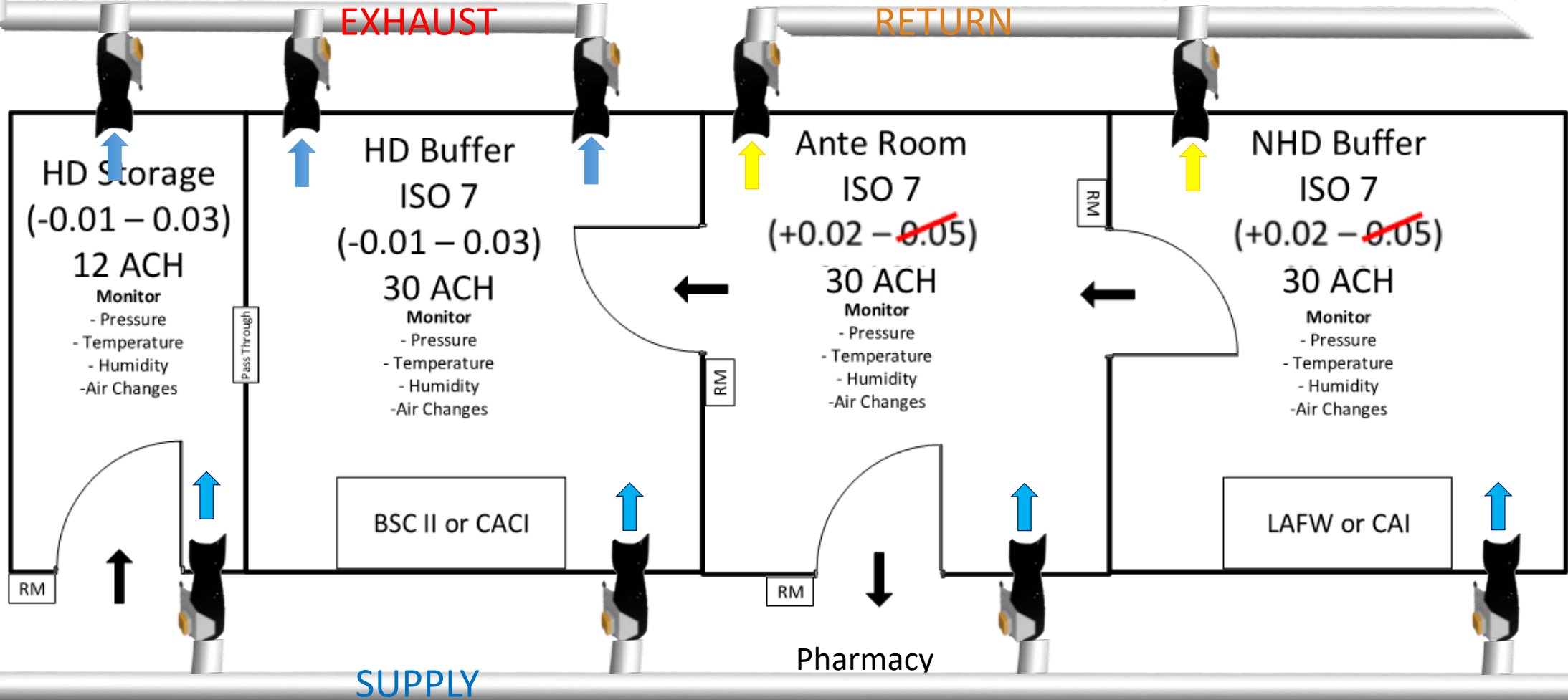
- Ante Room Required for BUD Drugs ≥ 12 Hours
- HD Buffer May be used as storage of Hazardous Sterile CSP
 - if Refrigerated storage, an additional exhaust grill adjacent to compressor and behind the refrigerator is required

Sterile HD and NHD Compounding Pharmacy

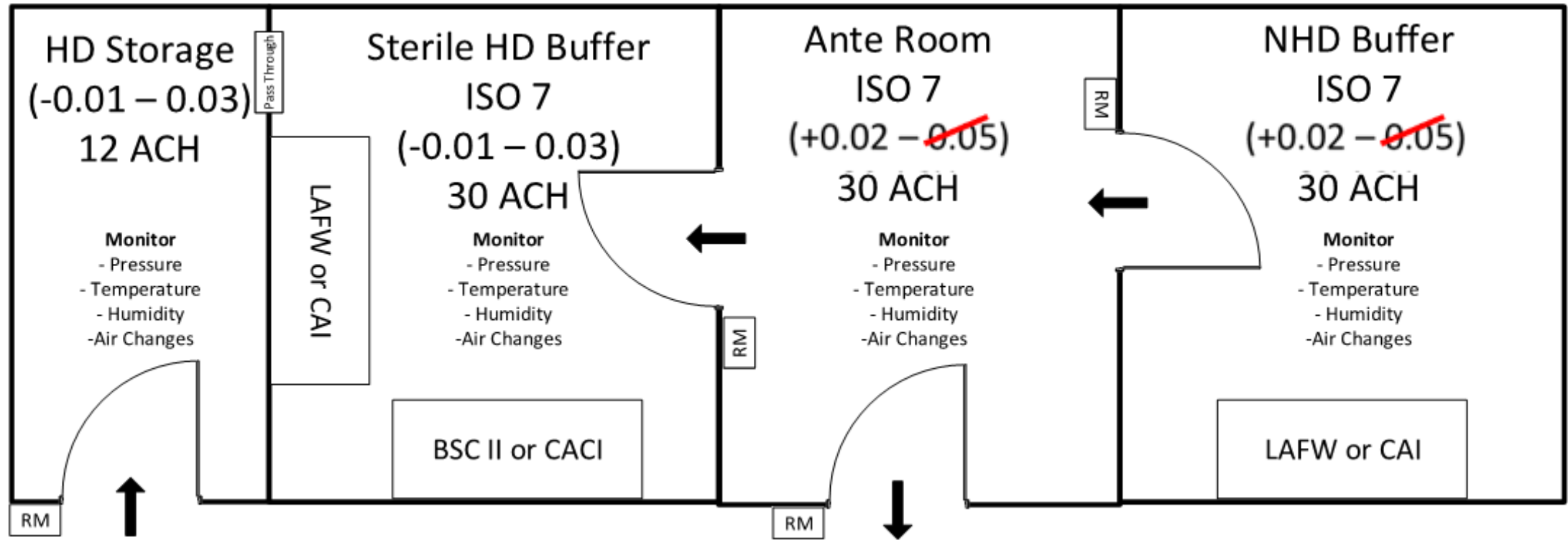


*Maximum BUD ≤ 12 hours

Sterile HD and NHD Compounding Pharmacy



Sterile/Non-Sterile HD and Sterile NHD Compounding Pharmacy



*HD Buffer being used for Sterile and Non-Sterile HDs

Cannot do Sterile and Non-Sterile Compounding at same time

BSC or CACI used for Non-Sterile requires decontamination, cleaning, and disinfecting before using for Sterile