

# Series 582

## Vertical Flow Hardwall Modular Clean Rooms

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The Series 582 modular clean room is a lightweight, easy-to-assemble, prefabricated clean room system that is available in a variety of sizes, shapes and room classifications to meet your individual clean room requirements.

The room is constructed of modular wall panels that fasten together to form the shell of the clean room. The NEST-TIGHT grid system is attached to the shell forming the internal clean room ceiling. The NEST-TIGHT ceiling grid, with its unique interconnecting tee bars, is an independent structural system with sufficient strength to support the filters, lights, tee bars and other components that make up the modular clean room ceiling.

This modular clean room also utilizes the HEPA-N-SEAL negative pressure safety seal to ensure a zero-leak ceiling grid. This unique system keeps a negative pressure around all the filters, lights and ceiling panels to ensure that no air will leak through the ceiling grid and into the critical clean room space.

The room shape is not limited to squares and rectangles but can have jogs or steps in the walls to go around building supports, pillars or other obstructions that would prevent a rectangular room from fitting tightly against the building. Its size can also be expanded in both length and width to accommodate future modular clean room needs.

### Features

- ❖ Prefabricated, pre-engineered, modular clean room systems
- ❖ Temperature/humidity controlled enclosures
- ❖ Laminar flow surgical rooms
- ❖ Modular wall and ceiling systems
- ❖ Custom clean room design services
- ❖ Aesthetic design, visually appealing
- ❖ High quality performance
- ❖ Easy to assemble
- ❖ Expandable and upgradeable

 For more information or to download or fax this product from the web, simply go to:  
[www.cleanairproducts.com/582](http://www.cleanairproducts.com/582)

## Series 582 Vertical Flow Hardwall Modular Clean Rooms

The Series 582 modular clean room can be constructed for Class 100,000 to Class 10 operating conditions. Additional 2 x 4 foot ceiling filters can be added to upgrade the entire room or spot clean one particular area. The entire HEPA filter locations can be changed to accommodate changes in process requirements.

This modular clean room is designed for fast, easy installation without the need of heavy lifting equipment. The components are light enough to allow assembly personnel to lift and set the parts into place. These components are then attached using internally mounted rotary clamps and fasteners. The modular clean room is designed with a minimum of parts, many of which are interchangeable, to make assembly fast and easy. The installation can be done by in-house personnel or our factory-trained installation personnel.

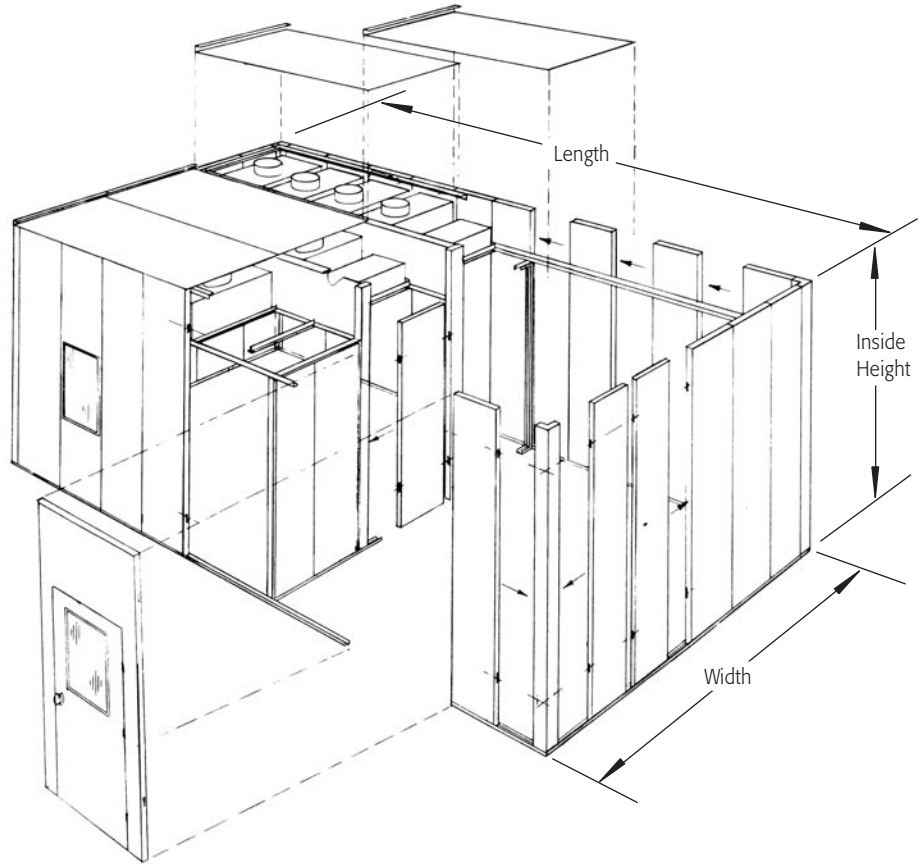
The components also store and ship easily. A modular clean room can be set up at one location to develop a process, and then easily moved to another location for final production. Its small, lightweight parts make it easy to relocate even in hard to get to places within a building.

The rooms can utilize in-house air conditioning or can be furnished with comfort cooling or precise temperature and humidity control.

The Series 582 is a modular clean room system that is able to keep pace with changing requirements to ensure that your clean room remains an asset and never becomes a liability.

### Blowers

Standard rooms use CAP112-424 motorized ceiling HEPA filters. Optional larger centralized blowers with ducted filter modules available upon request.



### Airflow

Modular clean rooms can recirculate or discharge clean room air into the surrounding space.

### Temperature Control

Recirculating airflow modular clean room can have optional air conditioning added to provide cooling and humidity control.

### Walls

- White vinyl covered steel
- Painted steel
- Stainless steel

### Sizes

Widths up to 34 feet clear span.  
Lengths are unlimited.  
Height up to 15 feet clear span.

### Guarantee

A written 1 year Warranty is furnished with each modular clean room.

Specifications subject to change. Please contact factory for details.