

## Panelized Walk-in Chambers *Temperature and humidity testing rooms*

Panelized Walk-in Chambers

Models

P-300

Options

Get Pricing

**New Express Program:** Faster delivery for most typical walk-in test chamber applications. Standardized build-to-order process bypasses engineering to shorten lead-time by a third.

ESPEC North America builds dozens of walk-in test chambers every year for top companies testing automotive, electronics, communications, aerospace, and other products. **Drive-in test chambers** for automobiles are one of our top specialties. **Stability walk-in rooms** are another specialty, designed for light-duty testing or long-term steady-state evaluation of pharmaceuticals and other products.

### Panelized Chamber/Room

Our panelized walk-in test chambers use urethane-foam panels that lock together with cam latches. This is the same construction used for walk-in coolers in restaurants and supermarkets, but of a higher quality. The panels we use have a stainless steel interior skin to be stronger and impervious to extreme conditions. The seams between panels are carefully sealed to protect from leaking that may affect performance or damage the panels. Doors and windows have embedded heaters, as well.

### Temperature and Humidity Control

ESPEC has standard air conditioning systems, called Modular Air Plenums (MAP). These MAPs are designed with the proper heating, refrigeration, and humidity control to achieve your desired performance and capabilities. The MAP simply rolls-up to an assembled panel chamber to complete installation.

### Easy-to-use Controller

In addition, the **P-300 touch-screen controller** makes running an ESPEC environmental test chamber a breeze. The full-color, touch-screen interface is remarkably easy to use and understand. The P-300 touch-screen controller can be managed remotely via our new **Ethernet/LAN-based Web Controller**, serial port, or GP-IB/LabView. USB access is standard.

### Features for Panelized Walk-in Chambers

- Modular panel test chamber featuring stainless steel interior
- Exterior is embossed galvanized steel, stone white coating
- Insulated panel floor with non-slip surface and multiple drains
  - Loading up to 600 psf, suitable for foot traffic or small carts
  - *Optional: No floor, medium-duty (900 psf), or heavy-duty (1,500 psf)*
- MAP service doors are hinged for easy access to refrigeration components
- Reliable steam generator system for humidity applications
- Adjustable vanes in supply grille allow directing of airflow as needed



[Walk-in Brochure](#)  
[Company Profile](#)

GET A FAST, FREE PRICE QUOTE



Temperature and humidity testing rooms



### Product Suggestions

### Related Resource Center Articles

- [High temperature limits of test chambers](#)
- [Methods of Humidity Generation](#)
- [Moving-in my new chamber](#)



ESPEC North America, Inc. (Corporate office)  
 4141 Central Parkway  
 Hudsonville, MI 49426 USA

ESPEC North America, Inc. (Colorado/Qualmark office)  
 12600 E. Smith Road  
 Aurora, CO 80011 USA

### Contact ESPEC:

- Sales: 616-896-6100 (8-5 EST)
- Find Your Local Sales Rep
- Sales/General Request Form
- Support: 616-896-6170 (8-5 EST)
- Service/Support Request Form
- Colorado Office (Qualmark): 303-254-8800

### The ESPEC Group

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- > ESPEC Engineering (Thailand, rest of Asia)
- > ESPEC Global Sales & Support site

