

Product introduction:

Walk-in chambers are complex systems that can push the limits of lab space and utilities—DETECT works to design a system that suits our clients' test requirements.

Parameters just for reference:

Working room capacity	8 cubic meter
Internal dimension(W*D*H)	2250*1800*2000mm
External dimension(W*D*H)	3600*2100*2530mm
Temperature range	0°C; -10°C; -20°C; -40°C ~ +150°C
Humidity range	20% ~ 95% RH
Temperature fluctuation	±2°C
Humidity fluctuation	±3%RH
Cooling speed	1°C/min in average, without loading
Heating speed	3°C/min in average, without loading
Internal material	Stainless steel 304
External material	Steel plate with coating
Temperature measurement and controller	32 bit control and monitoring system; Programmable LCD touch screen controller; Interface facility with RS232/USB
Viewing window dimension	280*380mm
Customized size	2, 4, 6,40 cubic meter 2, 4, 6, 40 m ³

Internal capacity	2, 4...40, 50 cubic meter
High temperature	100°C
Low temperature	-70°C
Temperature fluctuation	±0.5°C
Temperature deviation	±2°C
Humidity range	30~98%R.H
Humidity error	+2/-3%R.H
Heating time	1°C/min in average
Cooling time	1°C/min in average
Cooling method	Water cooling
Controller	LCD touch screen, programmable controller
Program capacity	120 groups, 1200 sections
Safety protection device	Over temperature, compressor overload, compressor overvoltage, heater short circuit
Power	AC380V, 50/60Hz, single phase
Internal chamber material	SUS# 304
External material	Stainless steel with paint spray

Advantage at a glance:

1.Imported parts: Authentic guarantee, Ten times the compensation for counterfeit parts

German GEA Bock compressor
Schneider state replay
Korea TEMI 1500 Controller
2. Indoor Emergency-stop device
Designed for serviceability and safety:
The equipment can be shut down in the interior.

Control operation:

1. Color LCD interactive touch-screen system
Operation and settings simplified by the
use of a touch-screen LCD display
(instructions displayed on-screen). At-a-glance
confirmation of test patterns, test
area temperatures, temperature cycles, and
trend graph displays.

2. Construction of standard climate rooms

The climate rooms are modular built and consist of insulated walls and ceilings with
steel plate in 50, 80 or 100.

The standard floor consists of 20 mm lumber, 100 mm Polyurethane insulation with
fiberglass coverage, load bearing capacity 500 kgs/qm.

Floor panels standard with antislip glass fiber strengthened toplayer. Optional available with
aluminum or stainless steel toplayer.

For almost any purpose we can provide the climate room with the right door, swing door left or
right handed, sliding doors, doors with window, etc.