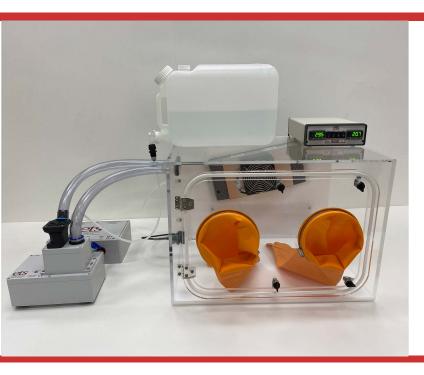


Model 5504 Compact Temperature and Humidity Glovebox Chamber





The M 5504 Series compact benchtop glovebox chambers offer a working space of 105 Liters (3.7 cu. ft.). The M 5504 Series can be configured as a basic glove-box or, when integrated with ETS operat-ing systems, an environment with complete humidity & temperature control. The clear acrylic construction provides excellent visibility. Offered in a variety of packages, the M 5504 Series is ideal for applications that require less space but with critical environment requirements.

Applications

- Pharma, Medical, Biomedical, and University **Laboratory Testing**
- R&D Product and Material Testing
- Industrial Benchtop Work and Testing **Environment**

Questions? Here's how to contact our experts

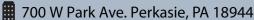
 Industrial and Lab Sample Conditioning and Item Storage preparation

Key Features

- Standard Packages and Custom Configurations available to support a broad range of environmental conditions:
 - Temperature (5°C to 60°C)
 - Humidity (5% to 95% RH)
- Compact design with easy access, excellent visibility and maximized working space:
 - 24" wide x 17" deep x 17" tall
 - > 113 L (4 cu. ft.) working space
 - Large front door: 13" high x 19" wide
 - ClearView Acrylic for excellent visibility

D01831 Rev D









Model 5504 Compact Temperature and Humidity Glovebox Chamber

Model 5504 Chamber Specifications

Mechanical	
Material	Clear and White Acrylic
Internal Volume	~4 cu. Ft. (113.5L)
Internal Dimensions	23.3" W x 16.3" D x 16.3"H
	(59cm x 41cm x 41cm)
External Dimensions	24" W x 17" D x 17"H
	(61cm x 43cm x 43cm)
Weight	59.25 lbs. (26.9 kg) w/ Full
	Systems
	35.6 lbs. (16.1 kg) base chamber

Access	
Front Opening	19" W x 13" H
	(48cm x 33cm)
Front Door	1/2" (6mm) clear acrylic
Door Latches	3/4-Turn latches
Door Gasket	1/4" non-setting silicone
Glove Ports (optional)	Pair of 6" (15cm) ports
Gloves, pair (optional)	0.018" (0.5mm) latex
Cable Pass-Through	1-1/2" diameter

Connections (if included)	
1/4" Push-to-connect fitting, 1/4 NPT Qty. 2	
0.2" to 0.49" OD Compression Fitting, 3/4 NPT Qty.	
1" ID Hose Barb, 1 NPT	Qty. 2
3/32" ID Hose Barb, 1/8 NPT	Qty. 1
1 x 1-1/2" Cable Passthrough Grommet, TPU	Qty. 1

Temperature Heat / Cool (if included)	
Thermoelectric System	Model 5477-250
Temperature Max.	55°C
Temperature Min.	5°C
Temp. ramp 22°C to 5°C typ.	< 60 minutes
Temp. ramp 22°C to 55°C typ.	< 60 minutes

Humidification (if included)	
Ultrasonic Humidifier	Model 5482
RH% Max	100%
RH% ramp 50% to 90% typ.	< 10 minutes

Dehumidification (if included)	
Molecular Sieve Desiccant	Model 5461-115V, or
	Model 5461-230V
Dry Gas Valve	Model 5465
Regenerating Desiccant	Model 5478
RH% Min.	As low as 5%
RH% ramp 50% to 5% typ.	< 60 minutes

Control (if included)	
Model 5100 Controller	3300 Single Display Control,
	Single ramp/soak cycle
Model 5200 Controller	9500 Dual Display Control,
	Multiple ramp/soak cycle
Displays	LED 0.4", Setpoint and
	present reading
Display Resolution	0.1 %RH / 0.1 °C
Sensor	Dual Temperature and RH
	0-100 %RH, -40 to +55°C
Sensor Accuracy, RH%	±2.0% RH at 20°C and 0-90%
	RH
	±3.0% RH at 20°C and 90-
	100% RH
Sensor Accuracy, Temp.	Temp: ±0.2°C at 20°C

Power (for full operating system options)	
	115 VAC @ 8 Amps, or
Voltage	230 VAC @ 4 Amps,
	50 / 60Hz, Single Phase

Notes:

Chamber performance of 5°C to 55°C and 5% to 95% RH is valid at ambient conditions. Ambient conditions consist of 22°C ±3°C and 25% to 70% RH. Higher or lower temperatures and humidities may be reached by adjusting ambient conditions, conditioning chamber for extended periods, or by utilizing combinations of operating systems (low humidity is easier at higher temperatures, etc.).

The Model 5477-250 Thermoelectric Heating and Cooling system has a cooling ΔT of up to 15°C for cooling and 45°C for heating.



The ETS Model 5482 is fully supported by our team of experts Contact: **service@ets2.com** for assistance.

