



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 operating 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
- 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

Questions? Here's how to contact our experts

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## Model 5504 Compact Temperature and Humidity Glovebox Chamber

### Model 5504 Chamber Specifications

Mechanical		Humidification (if included)	
Material	Clear and White Acrylic	Ultrasonic Humidifier	Model 5482
Internal Volume	~4 cu. Ft. (113.5L)	RH% Max	100%
Internal Dimensions	23.3" W x 16.3" D x 16.3"H (59cm x 41cm x 41cm)	RH% ramp 50% to 90% typ.	< 10 minutes
External Dimensions	24" W x 17" D x 17"H (61cm x 43cm x 43cm)	<b>Dehumidification (if included)</b>	
Weight	59.25 lbs. (26.9 kg) w/ Full Systems 35.6 lbs. (16.1 kg) base chamber	Molecular Sieve Desiccant	Model 5461-115V, or Model 5461-230V
<b>Access</b>		Dry Gas Valve	Model 5465
Front Opening	19" W x 13" H (48cm x 33cm)	Regenerating Desiccant	Model 5478
Front Door	1/2" (6mm) clear acrylic	RH% Min.	As low as 5%
Door Latches	3/4-Turn latches	RH% ramp 50% to 5% typ.	< 60 minutes
Door Gasket	1/4" non-setting silicone	<b>Control (if included)</b>	
Glove Ports (optional)	Pair of 6" (15cm) ports	Model 5100 Controller	3300 Single Display Control, Single ramp/soak cycle
Gloves, pair (optional)	0.018" (0.5mm) latex	Model 5200 Controller	9500 Dual Display Control, Multiple ramp/soak cycle
Cable Pass-Through	1-1/2" diameter	Displays	LED 0.4", Setpoint and present reading
<b>Connections (if included)</b>		Display Resolution	0.1 %RH / 0.1 °C
1/4" Push-to-connect fitting, 1/4 NPT	Qty. 2	Sensor	Dual Temperature and RH 0-100 %RH, -40 to +55°C
0.2" to 0.49" OD Compression Fitting, 3/4 NPT	Qty. 1	Sensor Accuracy, RH%	±2.0% RH at 20°C and 0-90% RH ±3.0% RH at 20°C and 90-100% RH
1" ID Hose Barb, 1 NPT	Qty. 2	Sensor Accuracy, Temp.	Temp: ±0.2°C at 20°C
3/32" ID Hose Barb, 1/8 NPT	Qty. 1	<b>Power (for full operating system options)</b>	
1 x 1-1/2" Cable Passthrough Grommet, TPU	Qty. 1	Voltage	115 VAC @ 8 Amps, or 230 VAC @ 4 Amps, 50 / 60Hz, Single Phase
<b>Temperature Heat / Cool (if included)</b>			
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		

#### 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](mailto:service@ets2.com) for assistance.

