

HIGH/LOW CONSTANT TEMPERATURE HUMIDITY CHAMBER (+100°C)

LABEC High/Low Constant Temperature Chambers available in models from 36 litres capacity to 800 litres capacity.

Refrigeration system: high efficiency, maximum reliability and low vibration & low noise. The air cooled refrigeration is working with CFC freerefrigerant. The total cooling circuits is working with solenoid valve bypass technique ensuring that the compressor will only be disconnected if cooling capacity has not been required for a prolonged period.

Heating system: low mass electric resistance heater is located directly in front of the recirculating air blower. The PID microprocessor controllers with the solid state relay allows extremely precise and constant control.

Safety Device: power leakage & overload protective device, compressor overload protective device, over temperature and over humidity circuit breaker protection, water shortage protection, humidifier over heating protection, temperature limit protective device.

Optional: 100 mm chart recorder, programmable controller. Available with temperature only.

Temperature Ranges 0°C to 100°C (HG range)

- 0°C to 100°C (HG range)
- -20 to 100°C (FG Range)
- -40°C to 100°C (LG Range)
- -70°C to 100°C (TG Range)
- Optional maximum temperature of 150°C available on all models.



FEATURES INCLUDE:

- Viewing window with interior light.
- Stainless steel access ports with plug, for convenient access to test items.
- Swivel casters for mobility.
- Easily accessible service areas.
- Solid state heating and humidity switching.
- Wet Dry bulb humidity sensor.

Serving the Scientific, Medical and Research industries since 1945

LABEC



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SPECIFICATIONS

HIGH/LOW CONSTANT TEMPERATURE HUMIDITY CHAMBER (+100°C)

Model	M- HG-40	M- HG-50	M-HG60	M- HG-80
Int. Dim. (mm) W x H x D	4100 x 500 x 400	500 x 600 x 500	700 x 850 x 700	1000 x 1000 x 800
Ext. Dim. (mm) W x H x D	930 x 1310 x 810	1030 x 1410 x 910	1230 x 1660 x 1210	1530 x 1810 x 1310
Temp. Range	0°C to +100°C			
Temp. & Humidity Uniformity	+/-0.5°C at 3%RH			+/-1°C
Humidity Range	20-98%RH			
Temp. Rising Speed	0°C to 100°C about 20 minutes			
Cooling Speed	20°C to 0°C about 20 minutes			
Temp. Stability	+/-0.2°C			
Freezing System	Simoleon type full air tight air-cooled refrigeration system			
Capacity (L)	80	150	416	800
Interior and Exterior Material	304 Grade Stainless Steel			
Insulation Type	Rock wool hard PU polyurethane foams			
Circulating System	Fan forced recycling convection			
Temperature Preservation	Stainless steel heating type humidifier			
Standard Accessory	2 x adjustable stainless steel shelves, vacuum glass perspective window, testing aperture, operating light, motion wheel, control indicator.			

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