

# SlimLine-H

## Climatic Test Chambers - *Temperature & humidity*



- **Modern styling**
- **Compact bench top design**
- **27 to 210 litre capacity**
- **Wide temperature and humidity ranges**
- **Capacitive humidity probe**
- **Extensive range of options**
- **Mechanical cooling**
- **Reliable long term operation**
- **Single phase mains power**
- **Factory calibrated**



**SlimLine-H climatic test chambers are designed for general purpose laboratory and test applications where small chamber size is important, and product loading is relatively low. CFC-free compressor cooling is fitted as standard.**

**Humidity conditions are controlled by means of a capacitive sensor for long term reliability and accurate operation over a wide range of conditions. An innovative control system gives an extended temperature/humidity range.**

**SlimLine-H Model Range – Climatic Test chambers**

Prefix model number with TH/SlimLine/ for steady-state temperature control

Prefix model number with THC/SlimLine/ for cyclic temperature control (includes PR option)

Model	Internal dimensions mm			Volume Litres	External dimensions mm			Temperature range °C	
	w	d	h		w	d	h	min	max
450/ME/-40	450	450	450	90	725	935	1225	-40	180
450/ME/-70	450	450	450	90	725	935	1225	-70	180
600/ME/-40	600	600	600	216	875	1085	1330	-40	180
600/ME/-70	600	600	600	216	875	1085	1330	-70	180



SlimLine 450 humidity chamber

**All models:**  
 Humidity range 10—98% RH, over the temperature range +10 to +100°C  
 Dewpoint range to +4°C continuously (-3°C dp intermittently, and -20°C dp with optional air drier; dependent on sealing and access frequency)  
 A capacitive humidity sensor is fitted as standard.

Standard options (additional cost)		
CP50	50 mm diameter cable port	Includes silicone rubber bung
CP100	100 mm diameter cable port (n/a on 300 model)	Includes silicone rubber bung
PP	Product protection thermostat	Sets upper and lower trip temperatures
PR	Cyclic programmer upgrade	One 8-segment profile storage capacity
S300/450/600	Perforated stainless steel shelf (select required size)	Includes adjustable shelf supports (12.5 mm pitch)
RS232/RS485	Digital serial communications port	Includes rear connector (select required protocol)
SC96	Software control	Requires host computer
W300	300 mm square, heated multi-pane window	Includes chamber interior light
ER	Event relay for chamber controller	240VAC/5 amp SPCO, wired to rear connector
ECD	Extended cold dwell	Includes door frame heater and automatic de-frost
AD(-40)	Air Drier (-40 dew point)	Requires clean, dry compressed air supply
ST600	Chamber stand with two locking wheels	Height = 565 mm

Agent:



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*Specifications may vary as part of our policy of continuing product development*