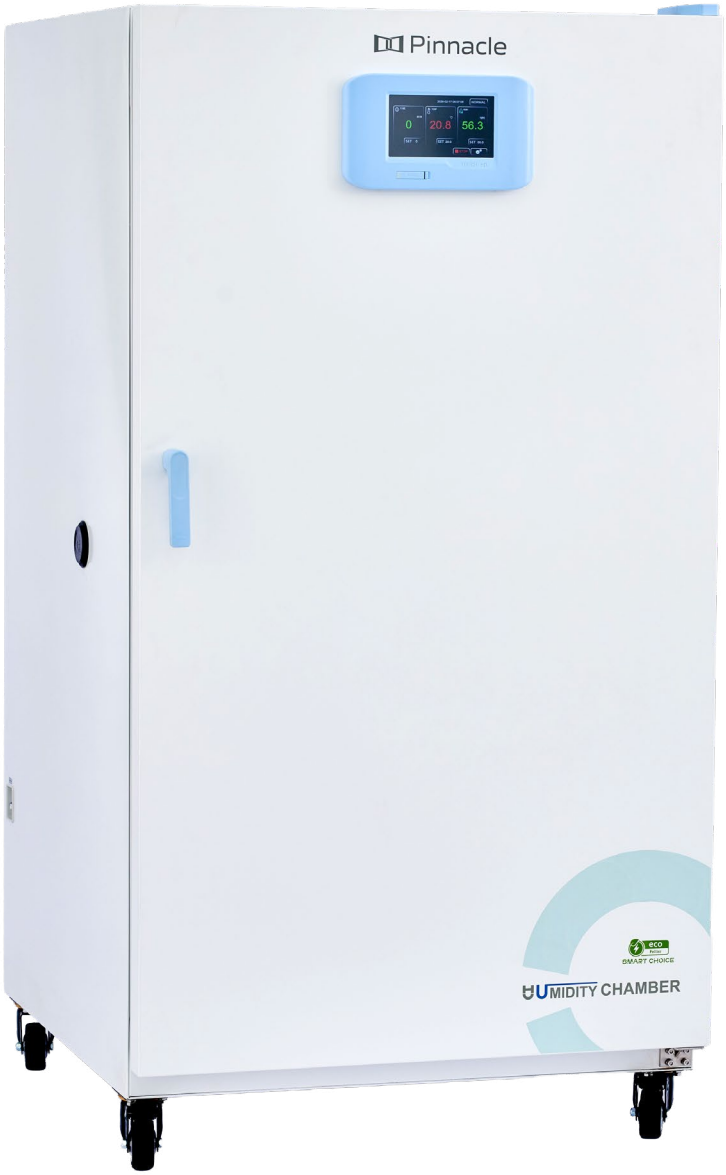
Pinnacle
SCIENTIFIC AND MEDICAL EQUIPMENT

Pinnacle Temperature and Humidity Chambers



Pinnacle PBEH 500L

INTRODUCING OUR TEMPERATURE & HUMIDITY CHAMBERS

Our Temperature & Humidity Chambers utilise advanced Peltier technology, replacing traditional compressor-based cooling systems to deliver a more energy-efficient and environmentally friendly solution.

By eliminating the need for a refrigeration unit, these chambers offer a more compact design with lower energy consumption compared to conventional compressor-driven systems. The Peltier system also operates with minimal noise, making it ideal for laboratory and controlled environments where quiet operation is essential.

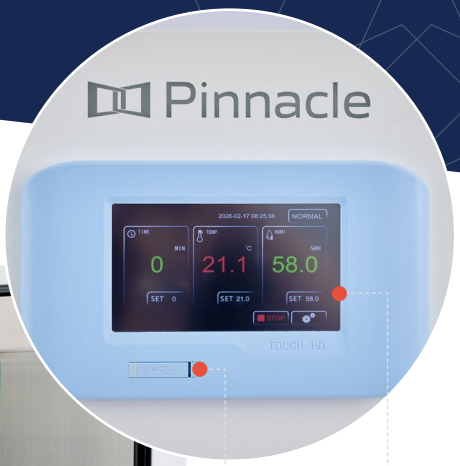
Because no refrigerants are required, the technology is significantly more climate-friendly, aligning with global initiatives to reduce environmental impact. In addition, the simplified system design makes servicing and maintenance easier and more efficient, helping reduce downtime and ongoing operational costs.

Offered in three capacity options:
100 L, 250 L, and 500 L.

www.cskgroup.com.au

PBEH 500 L

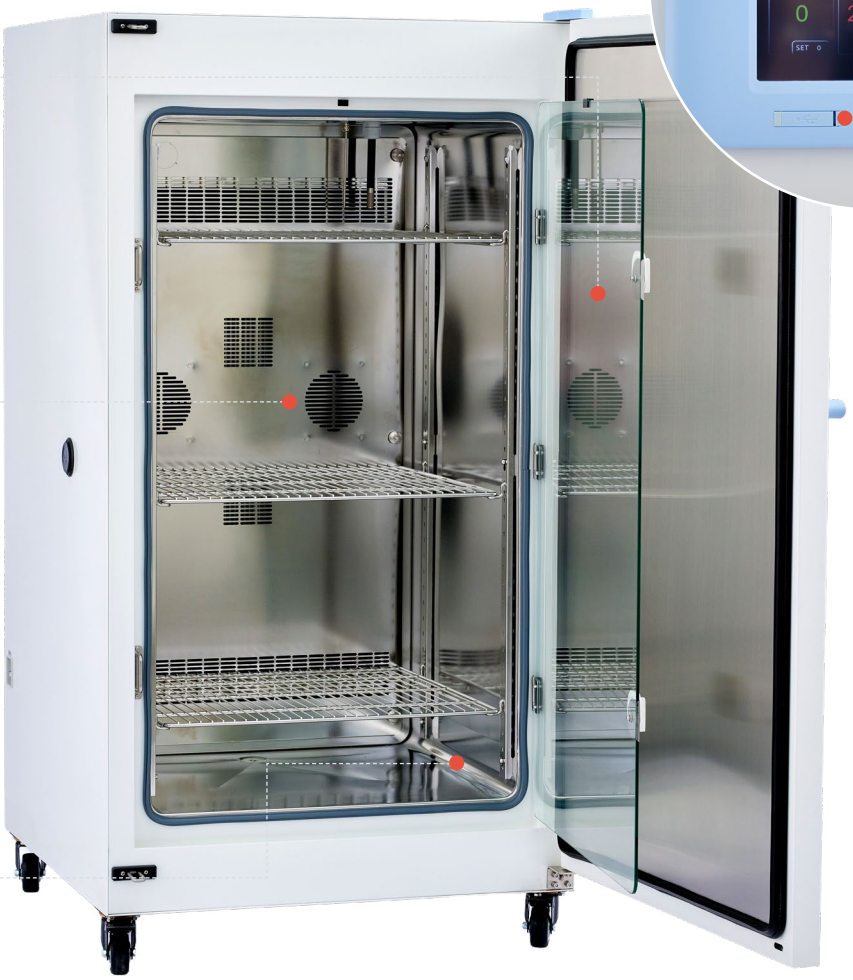
Door front



Internal
Viewing Glass

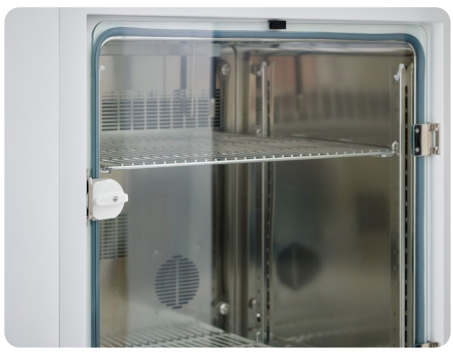
Air-duct for
temperature
uniformity

Stainless steel lined
with curved edges
for easy cleaning

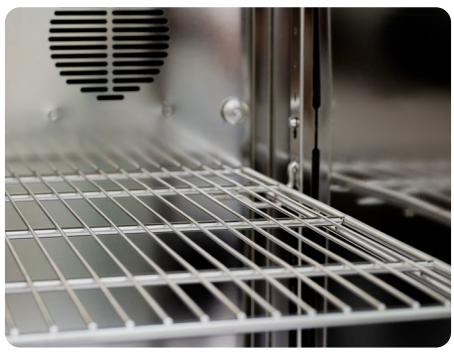


User friendly
touch screen

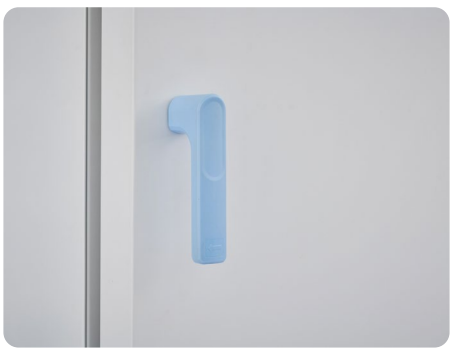
USB Data
Collection port
for logging



Glass Door



Shelves



Handle

Peltier Temperature and Humidity Technology

Model	PEH-100	PEH-250	PEH-500
Capacity	100	250	500
Display	7 inch touch screen		
Temperature Range	5-65°(without humidity) / 10-65°(with humidity)		
Temperature Accuracy	±0.1°C		
Uniformity	±0.5°C (@37°C)		
Humidity Range	10%~90%RH		
Humidity Resolution	0.1%		
Humidity Deviation	±2%		
Humidity Method	Steam Humidification		
Shelves	3 pcs	4 pcs	4 pcs
Power Consumption	Heating: 520W Cooling: 420W	Heating: 690W Cooling: 860W	Heating: 1200W Cooling: 860W
Electrical Requirement	AC220V/50Hz		
Interior Dimension(W×D×H)mm	480×400×560	600×510×820	700×660×1110
External Dimension(W×D×H)mm	668×675×752	790×745×1085	870×940×1455

Specification test under non-load condition: ambient temperature is 25 , and relative humidity is 50% RH.