Pinnacle
SCIENTIFIC AND MEDICAL EQUIPMENT

Pinnacle's -86°C Ultra Low Temperature (ULT) Upright Freezer

Pinnacle Scientific's Ultra Low Temperature Freezers are proudly designed in Australia. Some of the key features include a 7" Touch screen giving the user a seamless experience including exporting temperature data via USB. Pinnacle Scientific's VFD - Variable Frequency Drive Technology has been designed to offer the highest levels of performance and reliability while maintaining low energy consumption. P airing Pinnacle Scientific's VFD technology with superior insulation and an advanced temperature control system gives the user peace of mind that stored products are kept at the optimal temperature.

Designed to maintain temperatures as low as -86°C ensures optimal preservation of delicate biological specimens, including enzymes, viruses, cells, and tissues.

The Pinnacle Ultra Low Freezer is the ideal choice for laboratories, research facilities and all cold chain applications.

FEATURES:

- Superior insulation for maximum energy efficiency
- Advanced cooling system for fast temperature recovery after door opening
- Lockable door for secure storage
- Easy-to-use touchscreen interface for temperature monitoring and control
- Remote monitoring and alarm system for added peace of mind
- Robust and durable construction for long-term use and minimal maintenance

Refrigeration - Your size, your way

Energy Saving Refrigeration

High efficiency VFD compressors, combined with insulation hydrocarbon refrigerants, ensure energy savings and long-term sample security.
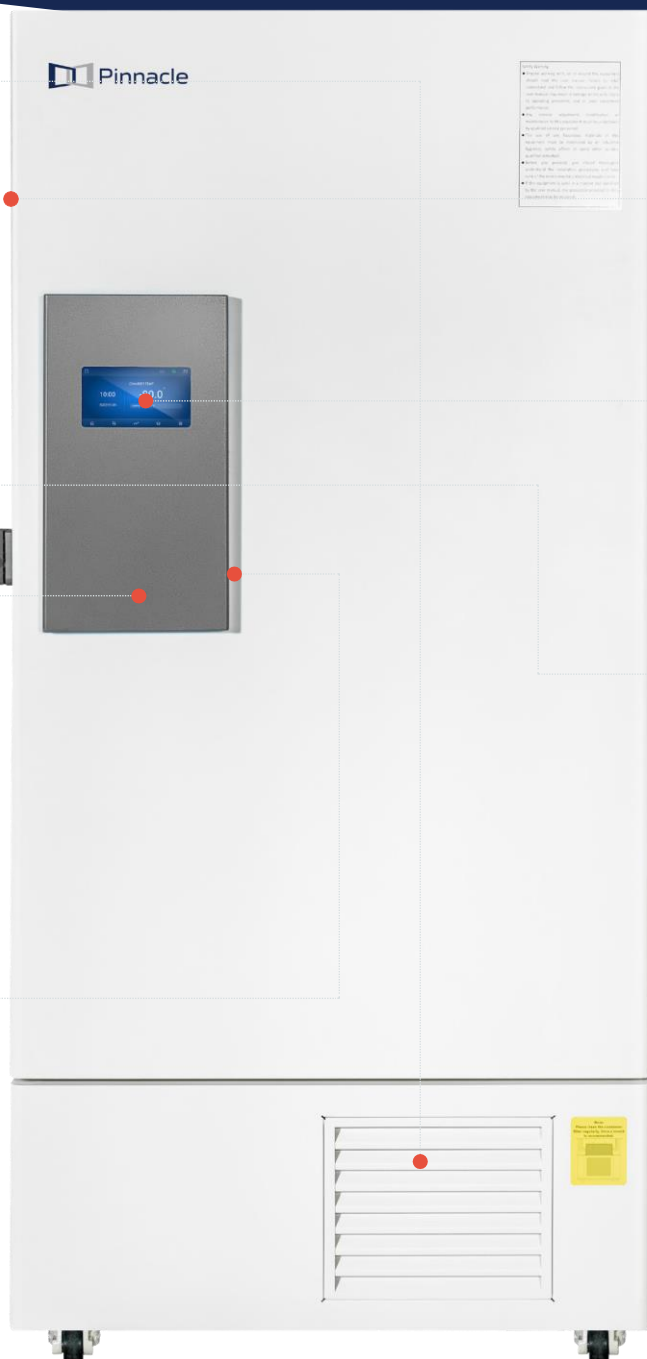
Pressure Equalisation Port

Heated Pressure Equalization Port allows users to re-open the main door quickly when entering.

USB Interface

Enables users to download historical temperature data for compliance/auditing purposes.

Multi-layer Sealing Structure

Triple gaskets provide a tight seal between the inner doors and outer door, reducing heat gain and retaining the temperature better in the event of a power failure.

Improved Handle Design

Lockable handle safeguards your precious samples. A padlock can also be added for extra sample safety.

Multi-level Alarms

Alarm functions include high, low temperature, sensor error, power failure, high ambient, clean filter and door ajar.

The -86°C UL T Upright Freezer from Pinnacle is designed to offer maximum efficiency and superior performance. Its superior insulation ensures optimal energy efficiency, while the advanced cooling system provides fast temperature recovery after door opening. With lockable door s and a robust construction, this freezer provides secure storage for valuable samples and other temperature-sensitive materials. Whether you're storing biological samples, vaccines, or other medical products, the Pinnacle ULT freezer is the perfect choice for any laboratory.

Technical Data for Pinnacle -86°C ULT Upright Freezers

Model		PF-U-86-100	PF-U-86-360B	PF-U-86-480B	PF-U-86-590B	PF-U-86-730B	PF-U-86-990B
Gross Content Litre		291	372	485	599	729	991
Net Content Litre			360	480	590	710	991
Technical Data	Cabinet Type	Upright	Upright	Upright	Upright	Upright	Upright
	Defrost Mode	Manual	Manual	Manual	Manual	Manual	Manual
Performance	Cooling performance (°C)	-80	-80	-80	-80	-80	-80
	Temperature Range (°C)	-40~-86	-40~-86	-40~-86	-40~-86	-40~-86	-40~-86
Material	Exterior Material	Galvanized steel powder coating	Galvanized steel powder coating	Galvanized steel powder coating	Galvanized steel powder coating	Galvanized steel powder coating	Galvanized steel powder coating
	Interior Material	Galvanized steel powder coating	Galvanized steel powder coating	Galvanized steel powder coating	Galvanized steel powder coating	Galvanized steel powder coating	Galvanized steel powder coating
Dimensions	Interior Dimensions(W*D*H)	460x470x1310 mm	460x600x1310 mm	600x600x1310 mm	740x600x1310 mm	740x730x1310 mm	880x860x1310 mm
	Exterior Dimensions(W*D*H)	640x692X1970 mm	640x822X1970 mm	780x822x1970 mm	920x822x1920 mm	920x952X1970 mm	1060x1082X1970 mm
Capacity for 2 inch boxes		180	240	320	400	500	720
Inner Door Number		2	2	2	2	2	2
Power Supply(V/Hz)			240V/50Hz	240V/50Hz	240V/50Hz	240V/50Hz	240V/50Hz
Controller Functions	Display	Touch screen	Touch screen	Touch screen	Touch screen	Touch screen	Touch screen
	High/Low Temperature	Yes	Yes	Yes	Yes	Yes	Yes
	Hot Condenser	Yes	Yes	Yes	Yes	Yes	Yes
	Power Failure	Yes	Yes	Yes	Yes	Yes	Yes
	Sensor Error	Yes	Yes	Yes	Yes	Yes	Yes
	High Ambient Temp	Yes	Yes	Yes	Yes	Yes	Yes
	Alarm mode	Sound and light alarm, remote alarm terminal	Sound and light alarm, remote alarm terminal	Sound and light alarm, remote alarm terminal	Sound and light alarm, remote alarm terminal	Sound and light alarm, remote alarm terminal	Sound and light alarm, remote alarm terminal
Accessories	Caster	Yes	Yes	Yes	Yes	Yes	Yes
	Port Hole	Yes	Yes	Yes	Yes	Yes	Yes
	Shelves (stainless steel)	3	3	3	3	3	3
	Door locking device	Yes	Yes	Yes	Yes	Yes	Yes
	Racks & Boxes	Optional	Optional	Optional	Optional	Optional	Optional