



PROFESSIONAL Refrigeration

+2°C +10°C

-10°C -25°C

-40°C -86°C



PROFESSIONAL REFRIGERATION FOR THE STORAGE OF VACCINES AND PHARMACEUTICALS

Smeg Instruments provides innovative and customized technological refrigeration and freezing solutions. Reliable and self-regulating ultra-low temperature freezers, freezers and refrigerators specifically designed to meet the needs of the various fields in which they are used. Safe and traceable storage practices are essential for any laboratory, hospital or pharmacy.



THE MOST ADVANCED TECHNOLOGY FOR THE BEST PERFORMANCE

The new professional refrigeration range from Smeg Instruments enables the target temperature to be reached extremely quickly while maintaining the temperature stable over time, with excellent thermal performance. The password-protected set point and parameters can be customized by the supervisor with extreme accuracy and to a resolution of $\pm 0.1^{\circ}\text{C}$

Minimum fluctuations and an extremely uniform temperature inside the chamber.

speed

safety

stability

efficiency

TECHNOLOGIC INNOVATIONS

USER FRIENDLY DISPLAY

Simple and easy to use. You can control and precisely regulate the internal temperature, display the visual and audible alarms, change the settings quickly and guarantee efficiency and traceability. The SMU678 model is also fitted with a large **Touch screen Display** that makes it even more intuitive and technologically advanced.

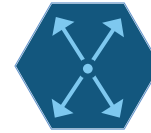
SAFETY SYSTEM

In order to guarantee correct storage, the products are fitted with **visual and audible alarms systems** to indicate faults such as:

- variations in temperature
- communication issues
- door open alarm
- power failure warning

IMMEDIATE TRACEABILITY

In order to ensure maximum traceability, the display has an **integrated data logging system** that allows you to view and track the temperature recorded inside the chamber for up to 2 years. The data can also be downloaded automatically using a **USB key**. Standard 10 minute data recording, which can be increased to 1 minute.



HIGH CAPACITY

Compact and efficient for agile and optimized storage. The inside is fitted with shelves and drawers in order to divide and protect the stored items. The inside of the ultra-low temperature freezers is made of AISI304 stainless steel.



ECO-FRIENDLY REFRIGERANT

The environmentally friendly Smeg products are highly reliable, exceptionally silent and have an extremely low environmental impact (Global Warming Potential) without sacrificing high refrigeration performance.

The refrigerators and freezers also use R600a GAS

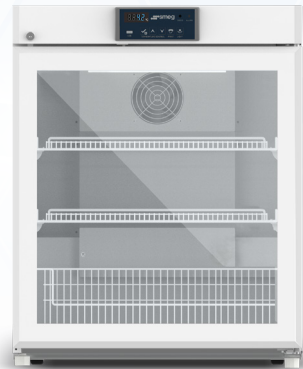
SAFE STORAGE

The **SMU678** ultra-low temperature freezer is equipped with a **double compressor** to provide improved thermal performance and to ensure that an internal temperature of down to -70°C is maintained even in the event of a component failure.

QUALITY REFRIGERATORS

The **SMR130G** and **SMR315G** refrigerators are fitted with a **backup battery** as standard. They comply with the requirements of DIN58345 as they are equipped with a safety thermostat to ensure maximum safety and temperature stability and for greater protection of the stored items. All models are equipped with a **passthrough test hole** as standard for external probes used by the operator for additional monitoring of internal temperatures. They are also fitted with **LED lights** and an internal heating element on the anti-condensation glass to allow an exceptional view of the contents.

LIFE SCIENCE, THE COMPLETE RANGE



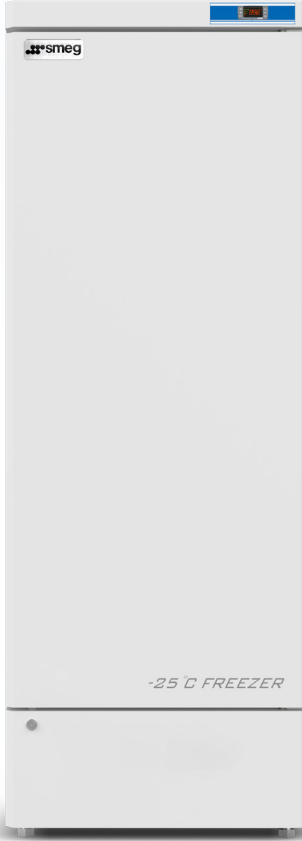
 **REFRIGERATOR**
SMR130G



 **REFRIGERATOR**
SMR315G



 **FREEZER**
SMF90



 **FREEZER**
SMF270



 **ULTRALOW
TEMPERATURE
FREEZER** SMU50



 **ULTRALOW
TEMPERATURE
FREEZER** SMU678

TECHNICAL DATA



Refrigerator SMR130G	Refrigerator SMR315G	Freezer SMF90	Freezer SMF270	Ultralow temperature Freezer SMU50	Ultralow temperature Freezer SMU678
Net volume 130 l	Net volume 315 l	Net volume 90 l	Net volume 270 l	Net volume 50 l	Net volume 678 l
Temperature range +2°C/+10°C	Temperature range +2°C/+10°C	Temperature range -10°C/-25°C	Temperature range -10°C/-25°C	Temperature range -40°C/-86°C	Temperature range -40°C/-86°C
LCD digital display	LCD digital display	LCD digital display	LCD digital display	LCD digital display	Touch screen display
Temperature datalogging up to 1'	Temperature datalogging up to 1'	-	-	Temperature datalogging up to 1'	Temperature datalogging up to 1'
USB datalogging download	USB datalogging download	-	-	USB datalogging download	USB datalogging download
Glass door with anti-condensation heater	Glass door with anti-condensation heater	-	-	-	-
Eco-friendly R600a refrigerant gas	Eco-friendly R600a refrigerant gas	Eco-friendly R600a refrigerant gas	Eco-friendly R600a refrigerant gas	Eco-friendly refrigerant gas mixture	Eco-friendly refrigerant gas mixture
Temperature / System / Traceability Alarms	Temperature / System / Traceability Alarms	Temperature / System / Traceability Alarms	Temperature / System / Traceability Alarms	Temperature / System / Traceability Alarms	Temperature / System / Traceability Alarms
Low acoustic emission	Low acoustic emission	Low acoustic emission	Low acoustic emission	Low acoustic emission	Low acoustic emission
Included backup battery	Included backup battery	-	-	Included backup battery	Included backup battery
Included passthrough test hole	Included passthrough test hole	Included passthrough test hole	Included passthrough test hole	Included passthrough test hole	Included 3 passthrough test hole
Underbench location		Underbench location		-	-
				Inner material: stainless steel AISI304	Inner material: stainless steel AISI304
					2 compressors



Smeg S.p.A.

Via Leonardo da Vinci, 4 - 42016 Guastalla (RE) - Italy
www.smeg-instruments.com | e-mail: instruments@smeg.it