

CRYOGENIC FREEZER -150°C

SELECTED ON THE BASIS OF EXPERIENCE

The Labselect -150°C chest freezer has been carefully selected based on the experience of several laboratory managers, analysts and refrigeration technicians. Their input resulted in the choice of a complete and cost-effective product.

The chest freezer has a very low noise level in its class and is energy efficient. The cooling system runs on HC gases and therefore has a GWP value close to zero. The freezer runs on the regular power current of 230V which makes it flexible to place on site. Operation is via the intuitive and therefore very user-friendly touch-screen. This unique model fills the need for cryogenic storage in the lab in a reliable and user-friendly way.

FEATURES

- Energy efficient cooling system with hydrocarbon refrigerant gases for savings in energy consumption
- Safe and reliable through multiple visible and audible alarms: high and low temperature, power failure, door ajar, hot condenser, low battery, sensor error, and high ambient temperature.
- Outstanding uniformity. Maximum difference between the highest and the lowest temperature is less than 10°C
- The optimized cooling system and design ensure a very low noise level of 55 dB(A)

OPTIONS

- Temperature Chart recorder
- LN2 Back-up system



SPECIFICATIONS

Model nr.	PTSL200CF (230V/50Hz)
2" Box capacity	144
Power (max)	1600 (1750) W
Current	10 A
Capacity	209 L
Netto weight	260 kg
Interior dimensions (HxWxD)	677x667x462 mm
Exterior dimensions (HxWxD)	1010x1650x850 mm
Isolation	VIP+ polyurethane 140mm
Refrigerant	HC
Access port	YES back, 25 mm
Sensor location	Right, middle
Potential free contact	YES
RS485 port	YES
Lid lock	YES
Inner lids	2
Battery back-up	YES (Data/Alarm)
Certification	CE

FUNCTIONAL DETAILS

- Lid stays open at 45° or more
- LCD-touch screen 10.1 inch
- Tilted display (8°) for better ergonomics
- Standard USB port (10 years datahistory)
- Easy-grab integrated handle
- Screwless magnetic front cover
- Built-in halo heater reduces frost build-up

PERFORMANCE | At setpoint -150°C

Temperature range	-130°C tot -150°C
Average temp.	-147°C
Temp. uniformity	9,4°C
Energy consumption	25,3 kW/day
Max. sound level	55 dB(A)
Heat emission	3600 BTU/h

WARRANTY

The term of warranty is 36 months on all parts and a total of 60 months on the compressors.

SUITABLE FOR VARIOUS RACKS

The internal height is suitable for exchanging the most common racks currently used for chest freezers.