

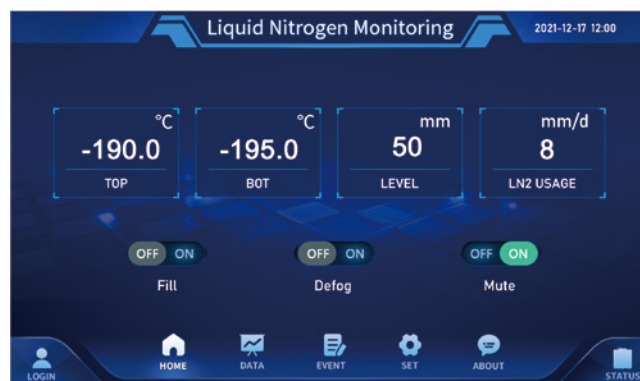
CryoLite Series Cryogenic Freezer



CryoLite series cryogenic freezer is a compact system integrated with advanced temperature monitoring, liquid nitrogen level monitoring and automatic filling system (CryoLite-S).

It combines high efficiency of aluminum dewars and advanced CryoMonitor touch screen controller.

Top Temperature, bottom temperature, liquid nitrogen level and LN2 usage in displayed on home page.



Advantages of vapor phase storage have been accepted by more and more users. However, most of existing vapor phase cryogenic freezers are big in size, large in capacity, heavy in weight and expensive in cost. A large part of users are willing to store their samples or products in a vapor freezer, but they do not have so many samples to be stored in a large stainless steel cryogenic freezer. CryoLite series is an ideal solution for these applications.

The innovative capacitance-based level monitoring system allows CryoLite freezers to detect liquid nitrogen level at centimeter accuracy. With auto fill components, it can realize -196°C liquid phase storage or vapor phase storage with -190°C top box temperature.

Features over traditional aluminum dewar ///

- Temperature monitoring: top & bottom
- Liquid level monitoring: level display & LN2 consumption
- Temperature & level graph display
- Temperature & level data storage
- Various alarm: temperature, high/low level, LN2 usage, fill timeout, bypass timeout, etc.
- Auto fill, no need to fill manually (CryoLite-S)

Features over large stainless steel vapor freezer ///

- Compact in size & small footprint
- Light in weight & no floor bearing concerns
- Meets small & media quantity storage demand, 2ml vials from 2400 pcs to 6000 pcs
- Lower liquid nitrogen consumption & using cost
- Flexible to store at vapor phase or liquid phase

Other Features ///

- Lockable lid with insulation
- Warm gas bypass system to avoid heat impact to samples
- Auto fill or manual fill optional
- Perfect match CryoCenter series for auto fill
- Optional roller base for convenient movement
- 5-year warranty for vacuum performance

Specification ///

Model	CryoLite 24S	CryoLite 36S	CryoLite 48S	CryoLite 60S
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	Capacity			
LN2 Capacity L	65	120	145	175
Number of 1.2 & 2.0 ml vials 100/box	2400	3600	4800	6000
Number of 100-well boxes	24	36	48	60
Number of Racks	6	6	6	6
Boxes per Rack	4	6	8	10

	Dimensions			
Neck Opening mm	216	216	216	216
Overall Height mm	920	1080	1240	1350
Outer Diameter mm	678	678	678	678
Weight Empty kg	45	49	55	63

	Functions
Control	Touch Screen + Microprocessor
Alarm	Top & Bottom Temperature / LN2 Level / Fill Timeout / Bypass Timeout
Fill	Automatic Filling System
Backup Battery	Optional
Roller Base	Optional

Note: CryoLite 24/36/48/60 are supplied without auto fill system.