

# LABSPRECISION Series

HIGH-CAPACITY STAINLESS STEEL FREEZERS



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## HIGH-CAPACITY STAINLESS STEEL FREEZERS

*Built on a field-proven, time-tested platform, the LABS Precision Series offers monitoring, control and communication to support the operational requirements of modern biorepositories.*

User-friendly  
touchscreen

Hinged, lockable lid  
and stainless steel table top  
working surface

When lid opens,  
a bright LED internal  
light and automatic  
defog function  
activate for faster  
sample visibility

Single  
pivot-point  
aluminum  
turntable design.  
Smooth rotation  
and ergonomic  
design.

Near LN2 temperatures  
maintained at top of  
inventory storage  
system

Full height,  
segmented and  
labeled turntable  
for easy  
inventory  
storage access  
and management

Two rack additional  
storage compared to  
standard freezers

 ICBiomedical  
**LABSPRECISION**  
**94K**

PLC-based controls

Convenient  
access to  
measure  
LN2 level

Fold-down full-sized  
stainless steel step  
or dual steps  
(LABS 94K)

Differential  
pressure level  
management





RFID Reader  
is Optional

## Control Features

The **LABS Precision Series** control unit is designed to provide a simple, intuitive interface with an extremely robust, control platform featuring state-of-the-art connectivity and simple user interaction.

- Large, intuitive touchscreen user panel
- Industrial PLC controller providing robust control platform
- Differential pressure level control
- User management and audit-trail functions

## Access Control

Limiting and recording access to the sample space is a key compliance requirement. LABS Precision freezers offer multiple access levels and full audit trail options:



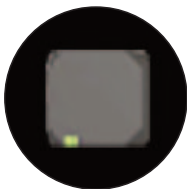
- User management allows for creation of unlimited user profiles with individual permissions.
- Full audit trail records all actions undertaken by a signed-in individual, including time and date stamps.



## Temperature Management

- Operation at -190°C vapor phase with extended temperature hold
- Gas bypass, battery backup
- High efficiency – very low LN2 consumption
- LN2 storage in either liquid- or vapor-phase

## OPTIONS:



### • RFID Badge Reader

Users can be issued an individual RFID badge to avoid having to manually log into the system



### • Enhanced External Communications Gateway

Enables the freezer to connect with local Wi-Fi or Ethernet networks and deliver text/email status or alarm notifications to users. Notifications are configurable. Also allows the set up of coordinated and/or timed filling.

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**HIGH-CAPACITY  
STAINLESS STEEL  
FREEZERS**

Touchscreen Monitoring,  
Control and Communications



MODELS		20K	38K	40K	80K	94K
<b>DIMENSIONS</b>						
External Operating Height	(in)	42	44	42	42	40
(Top of Step to Lid Opening)	(mm)	1067	1118	1067	1067	1016
Step Height	(in)	11	11.5	11/16.3	11/17	11/22
	(mm)	275	287.5	275/407.5	275/425	275/550
Height	(in)	54	57	54	54	63
(Floor to Opening)	(mm)	1371	1447	1371	1371	1600
Usable Height - Internal	(in)	30	30	30	30	35.3
	(mm)	762	762	762	762	897
Outside Diameter	(in)	34	42	45	59.5	59.5
	(mm)	864	1067	1143	1511	1511
Internal Working Diameter	(in)	29.5	38	40.5	55	55
	(mm)	750	965	1029	1397	1397
Neck Opening	(in)	13	18	18	24.5	24.5
	(mm)	330	457	457	622	622
<b>CAPACITY</b>						
Total LN2 Capacity (Liquid Storage) L.		371	623	698	1269	1595
Total LN2 Capacity (Vapor Storage) L.		36	73	80	137	300
<b>WEIGHT</b>						
Empty	(lb)	650	930	920	1550	1700
	(kg)	295	422	417	703	771
Maximum Gross Weight	(lb)	1311	2040	2164	3811	4542
	(kg)	595	925	981	1729	2060
<b>INVENTORY CONTROL SYSTEM SPECIFICATIONS</b>						
No. 100/81 Cell Racks		14	26	30	58	60
No. Shelves/Rack		13	13	13	13	15
No. 25 Cell Racks		4	12	8	12	8
No. Shelves/Rack		13	13	13	13	15
Vial Capacity, 2 ml		19500	37700	41600	79300	93000
Bag 25 ml (7 Level Rack)		1624	2688	3108	5999	6856
Bag 50 ml (7 Level Rack)		924	1582	1876	3381	3864
Bag 250 ml (5 Level Rack)		500	900	990	1920	2304
Bag 500 ml (5 Level Rack)		420	690	830	1610	1932