

# LABS-SERIES

## FREEZERS - THE BENCHMARK IN BIOBANKING



CST CRYO-SCIENCE TECHNOLOGIES



### STATE-OF-THE ART DESIGN FEATURES

High efficiency – very low LN<sub>2</sub> consumption

- LN<sub>2</sub> storage in either liquid or vapor phase
- Near LN<sub>2</sub> temperatures maintained at top of inventory storage system for overall sample viability

Single pivot point aluminum turntable design –smooth rotation and ergonomic use

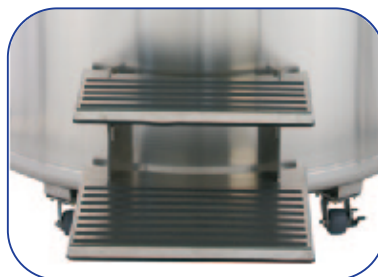
- Eliminates any mechanical component maintenance
- Full height, segmented and labeled turntable provides easy inventory storage access and management
- Convenient access to measure LN<sub>2</sub> level

Hinged lid and stainless steel table top – easy operation with a convenient working surface

- The lid includes locking capabilities and activates an automatic defog for quick viewing of inventory storage
- The table top provides a working surface and provides protection to electrical and plumbing components

Enhanced and intuitive controller technology

- Discrete thermistor level measurement and thermocouple temperature resolution within 0.1°C
- Capabilities for data collection, event scheduling and enhanced security settings
- Second access point for monitoring temperature



Integral folding step with slip-resistant surface. All units include a mechanical step-lock for securing the step when stowed.



Flexible Fill Hose with 1.27 cm I.D. includes dual swivel connectors and a 3/8" male NPT adaptor included with purchase.

## SPECIFICATIONS

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