

LABS Series

HIGH-CAPACITY STAINLESS STEEL FREEZERS



High efficiency – very low LN2 consumption

- LN2 storage in either liquid or vapor phase
- Near LN2 temperatures maintained at top of inventory storage system

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

- Eliminates any mechanical component maintenance
- Full height, segmented and labeled turntable for easy inventory storage access and management
- Convenient access to measure LN2 level

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

- Lockable lid activates an automatic defog for quick viewing of inventory
- Table top provides a working surface and protects electrical and plumbing

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
- Second access point for monitoring temperature

MODELS		20K	38K	40K	80K	94K
DIMENSIONS						
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
CAPACITY						
Total LN2 Capacity (Liquid Storage) L.		371	623	698	1269	1595
Total LN2 Capacity (Vapor Storage) L.		36	73	80	137	300
WEIGHT						
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
INVENTORY CONTROL SYSTEM SPECIFICATIONS						
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



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