

MVE Lab Series



The Lab Series cryogenic liquid dewars are named for their acceptance in laboratories and medical facilities worldwide. These high-efficiency, super insulated dewars are the most convenient, economical way to store and dispense liquid nitrogen. Many lab units can be fitted with pouring spouts, pressurized dispensing devices or dippers to aid in the transfer of liquid nitrogen.

PRODUCT SPECIFICATIONS

MODEL	LAB 4	LAB 5	LAB 10	LAB 20	LAB 30	LAB 50	SS Transfer Unit
Net Capacity (liters)	4	5	10	21	32	50	5
PERFORMANCE							
Static Evaporation Rate (liters/day)	0.19	0.15	0.18	0.18	0.22	0.49	N/A
UNIT DIMENSIONS							
Neck opening (in/mm)	1.4 / 35.5	2.2 / 56	2.2 / 56	2 / 51	2.5 / 64	2.5 / 64	6 / 152
Usable height (in/mm)	7.8 / 198	10.5 / 266	13.5 / 343	13.7 / 348	14.9 / 378	22 / 559	14 / 356
Overall height (in/mm)	16.8 / 426	18.2 / 462	21.5 / 546	24.7 / 627	24.1 / 611	30.7 / 779	16.5 / 419
Outside diameter (in/mm)	7.3 / 185	8.8 / 222	10.3 / 260	14.5 / 368	17 / 432	17 / 432	8 / 203
Internal diameter (in/mm)	5.5 / 139	6.5 / 165	8.3 / 210	11.4 / 289	14 / 356	14 / 356	6 / 152
Weight empty (lbs/kg)	6 / 2.7	8 / 4	13 / 6	19 / 9	27 / 12	34 / 15	11 / 5
Weight full (lbs/kg)	13 / 6	17 / 8	31 / 14	56 / 26	84 / 38	123 / 56	20 / 9

FIVE Year Vacuum Warranty

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU

Taylor Wharton LD Series



The LD Series of cryogenic dewars are designed for storing and dispensing small amounts of liquid nitrogen. The series includes a beaker style dewar with a wide mouth (LD5) and pitcher-style model for easy pouring (LD4).

Features:

- High performance modern construction and advanced insulation materials assure high thermal efficiency.
- New rugged construction, ribbed high strength aluminum body, magniformed necktube design, and more durable paint system.
- Easy operation lightweight snap-on cap and necktube assures tight closure and easy access, convenient larger handles.
- Superior vacuum performance with super insulation provides maximum holding times.
- Optional equipment includes liquid withdrawal device, tipping stand, dippers and roller base (for some models).

PRODUCT SPECIFICATIONS

MODEL	LD4	LD5	LD10	LD25	Classic 25	LD35	LD50
Static Holding Time days (1)	10	6	45	109	119	152	122
Evaporation Rate (1) liters/days	0.40	0.77	0.22	0.23	0.21	0.23	0.41
Liquid Nitrogen Capacity - liters	4	5	10	25	25	35	50
Weight Empty	- lbs. 6.6 - kg. 3.0	6.9 3.1	14.5 6.6	23.2 10.5	19 8.6	35.1 16.0	38.7 17.6
Weight Full	- lbs. 13.7 - kg. 6.2	15.8 7.2	32.3 14.7	67.7 30.8	63.5 28.9	97.4 44.3	127.7 58.0
Neck Diameter	- in. 1.2 - mm. 30	5.6 142	2.0 51	2.5 64	2.0 51	2.5 64	2.5 64
Overall Height	- in. 17.0 - mm. 432	17.5 445	23.5 597	25.8 655	22.9 582	26.3 668	32.4 923
Overall Diameter	- in. 7.6 - mm. 193	7.6 193	11.4 290	15.6 396	15.5 394	18.8 475	18.8 475
Liquid Withdrawal Device P/N	N/A	N/A	N/A	D050-8C00	N/A	D050-8C00	D050-8C00
Roller Base P/N	N/A	N/A	N/A	R018-8C00	D024-8C02	RO33-8C00	R033-8C00
Tipping Stand P/N	N/A	N/A	N/A	D025-8C00	N/A	N/A	N/A
Dipper P/N	N/A	R018-8C50	R018-8C50	R018-8C50	R018-8C50	R018-8C50	R018-8C50

(1) Evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history, and manufacturing tolerances.