

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.

Features include

- Designed for efficient storage of liquid nitrogen
- Low liquid nitrogen consumption
- Convenient lightweight package



	LAB 4	LAB 5	LAB 10	LAB 20	LAB 30	LAB 47	LAB 50
Performance							
LN₂ Capacity L est.	4	5	10	20	32	47	50
Static Evaporation Rate* L/day	0.19	0.15	0.18	0.18	0.22	0.39	0.49
Unit Dimensions							
Neck Opening in. (mm)	1.4 (35)	2.2 (56)	2.2 (56)	2.2 (56)	2.5 (64)	5.0 (127)	2.5 (64)
Overall Height in. (mm)	16.8 (426)	18.2 (462)	21.5 (546)	24.5 (622)	24.0 (610)	26.5 (673)	30.5 (775)
Usable Height in. (mm)	7.8 (198)	10.5 (266)	13.5 (343)	13.7 (348)	14.9 (378)	16.8 (427)	22.0 (559)
Outer Diameter in. (mm)	7.3 (185)	8.8 (222)	10.3 (260)	14.5 (368)	17.0 (432)	20.0 (508)	17.0 (432)
Internal Diameter in. (mm)	5.5 (139)	6.5 (165)	8.3 (210)	11.4 (289)	14.0 (356)	16.5 (419)	14.0 (356)
Weight Empty lb. (kg)	6 (2.7)	8 (4)	12 (5.4)	19 (9)	25 (11.4)	42 (19)	31 (14)
Weight Full lb. (kg)	13 (6)	17 (8)	31 (14)	55 (25)	82 (37.2)	120.4 (54.6)	120 (54.4)

* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Note: The Lab Series is designed for liquid storage.

TWO Year Parts Warranty • FIVE Year Vacuum Warranty

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

Tank Features

