



LD Series



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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
- Easy Operation – Snap-On cap and necktube assures tight closure and easy access, convenient handle location
- 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)

| Models | LD4 | LD5 | LD10 | LD25 | Classic 25 | LD35 | LD50 |
|-----------------------------------|------|------|-----------|-----------|------------|-----------|-----------|
| Static Holding Time days (1) | 10 | 6 | 45 | 109 | 119 | 152 | 122 |
| Working Time days (2) | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 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 | 6.9 | 14.5 | 23.2 | 19 | 35.1 | 38.7 |
| - kg. | 3.0 | 3.1 | 6.6 | 10.5 | 8.6 | 16.0 | 17.6 |
| Weight Full | | | | | | | |
| - lbs. | 13.7 | 15.8 | 32.3 | 67.7 | 63.5 | 97.4 | 127.7 |
| - kg. | 6.2 | 7.2 | 14.7 | 30.8 | 28.9 | 44.3 | 58.0 |
| Neck Diameter | | | | | | | |
| - in. | 1.2 | 5.6 | 2.0 | 2.5 | 2.0 | 2.5 | 2.5 |
| - mm. | 30 | 142 | 51 | 64 | 51 | 64 | 64 |
| Overall Height | | | | | | | |
| - in. | 17.0 | 17.5 | 23.5 | 25.8 | 22.9 | 26.3 | 32.4 |
| - mm. | 432 | 445 | 597 | 655 | 582 | 668 | 823 |
| Overall Diameter | | | | | | | |
| - in. | 7.6 | 7.6 | 11.4 | 15.6 | 15.5 | 18.8 | 18.8 |
| - mm. | 193 | 193 | 290 | 396 | 394 | 475 | 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 | R033-8C00 | R033-8C00 |
| Tipping Stand P/N | N/A | N/A | N/A | D025-8C00 | D024-8C00 | N/A | N/A |
| Dipper P/N | N/A | N/A | 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.

(2) Work time is an arbitrary, reference-only value to estimate container performance under the actual operating conditions.

(3) Without canisters or racks.