

Worthington Industries - LD Series | LD4 | LD5 | LD10 | LD25 | Classic25 | LD35 | LD50

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 easypouring (LD4).

Rating: Not Rated Yet

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Manufacturer [Worthington Industries](#)

Description

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Description

The Worthington Industries Liquid Dewar (LD) Series of cryogenic dewars are designed for storing and dispensing smaller amounts of liquid nitrogen. The line includes a pitcher-style model for easy pouring (LD4), a beaker-style wide-mouth dewar (5LD), and a unique onion-style dewar (CLASSIC-25) that offers an improved center of gravity for ease of lifting and pouring.

Liquid capacities range from 4 liters to 50 liters, and optional accessories include tipping stands and roller bases for certain models, measuring rods for determining liquid level inside the dewars, and an industry-leading liquid withdrawal device that provides safe and secure dispensing of liquid nitrogen at flow rates up to 8 liters per minute.

Watch the video below to learn how to safely and effectively install, fill, and operate the Liquid Withdrawal Device from Worthington Industries. Our Liquid Withdrawal Device is used for pressure transfers of liquid nitrogen from LD25, LD35, and LD50 Dewars. When filling a Dewar, pressure is transferred through the withdrawal device enabling convenient replenishment without removing the device.

Product formerly branded CryoScience by Taylor-Wharton, which was acquired by Worthington Industries.

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)

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Specification

MODEL	LD4	LD5	LD10	LD25	Classic 25	LD35	LD50
Static Holding Days (1)	10	6	46	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	6.6	6.9	14.5	23.2	19	35.1	38.7
	3.9	3.1	6.9	10.5	8.8	16.0	17.8
Weight Full	13.7	15.8	32.3	67.7	63.5	97.4	127.7
	6.2	7.2	14.7	30.8	28.9	44.3	58.0
Neck Diameter	1.2	1.6	2.0	2.5	2.0	2.5	2.5
	30	142	51	64	51	64	64
Overall Height	17.0	17.5	23.5	25.8	22.9	26.3	32.4
	435	445	597	655	595	669	823
Overall Diameter	7.6	7.6	11.4	15.6	15.5	18.8	18.8
	190	193	290	396	394	475	475
Liquid Withdrawal Device P/N	N/A	N/A	N/A	D050-SC00	N/A	D050-SC00	D050-SC00
Roller Base P/N	N/A	N/A	N/A	R018-SC00	D024-SC02	R033-SC00	R033-SC00
Tipping Stand P/N	N/A	N/A	N/A	D025-SC00	N/A	N/A	N/A
Dipper P/N	N/A	R018-SC50	R018-SC50	R018-SC50	R018-SC50	R018-SC50	R018-SC50

(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.

Reviews

There are yet no reviews for this product.