

Worthington Industries - LS Series | LS750 | LS3000 | LS4800 | LS6000 | LS6000AT

The Worthington Industries Laboratory Systems (LS) are uniquely designed for large vial capacity in convenient box-type storage racks. They provide maximum holding times. This means lower per vial operating costs and fewer refills.

Rating: Not Rated Yet
[Ask a question about this product](#)
Manufacturer [Worthington Industries](#)

Description

- [Description](#)
- [Specification](#)

Description

LS Series Dewars:

Maximum Hold Times at Cryogenic Temperatures

Looking for secure liquid nitrogen vial storage in convenient box-type storage racks for your samples?

The Worthington Industries Laboratory System (LS Series) refrigerators provide maximum holding times, which means lower per vial operating costs and fewer refills.

- Low LN2 consumption compared to freezer alternatives
- Lower cost of operation over the lifespan of the unit
- Temperature profile at -185°C to -195°C
- Optional data monitoring system for sample security

The Worthington Industries Laboratory System (LS) Series of cryogenic refrigerators is uniquely designed for vial storage in convenient box-type storage racks. The liquid nitrogen refrigerators offer maximum holding times, which means lower per vial operating costs and fewer refills. They deliver extremely stable low-temperature profiles due to the aluminum inner vessel, and offer storage capacities of between 750 and 6000 standard 2ml vials. The LS6000 is available with a simple and reliable liquid level controller with temperature readout that provides automatic filling and alarm features.

Optional accessories include low level alarms for passive monitoring of liquid level, roller bases for ease of movement, and measuring rods for

determining liquid levels inside the refrigerator.

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

Features

- LS 6000 available with Auto-Tend Controller with temperature read-out. (Please contact Taylor-Wharton Customer Service for details)
- LS 6000 - AT, vapor phase, - 190° C top of rack
- New Rugged Construction - ribbed high strength aluminum body, magniformed necktube design, and more durable paint system
- Convenient Storage Systems - rack index location ring and internal location spider, computer compatible box storage is ideal for simple inventory management
- Superior vacuum performance with super insulation provides maximum holding times
- Security - Accessory low-level alarm is available with remote monitor capability
- Lockable lids
- Mobility - Roller bases are available

Specification

MODEL	LS750	LS3000	LS4800	LS6000	LS6000AT
Static Holding Days (1)	130	106	153	194	194
Working Time days (2)	80	66	96	120	120
Evaporation Rate (1)	0.27	0.76	0.85	0.84	0.84
liters/days					
Liquid Nitrogen	35	81	130	165	165
Capacity - liters					
Weight Empty	39	70	90	121	121
	17.7	31.8	40.9	55.0	55.0
Weight Full (3)	101.3	214.2	312.4	410.0	410.0
	46.0	97.4	146.1	186.4	186.4
Neck Diameter	4.7	8.5	8.5	8.5	8.5
	119	216	216	216	216
Overall Height	26.8	28.8	35.1	39.0	39.0
	681	731	892	991	991
Overall Diameter	18.8	26.9	26.9	26.9	26.9
	478	683	683	683	683
Number of Racks	6	6	6	6	6
Number of	5	5	8	10	10
Shelves/Rack					
2 ml Vial Capacity (4)	750	3000	4800	6000	6000
Box Size - Shape	Square	Square	Square	Square	Square
Size in.	3.0 x 3.0	5.0 x 5.0	5.0 x 5.0	5.0 x 5.0	5.0 x 5.0
Size mm.	76x76	127x127	127x127	127x127	127x127
Vials per box (5)	25	100	100	100	100
Roller Base	R033-8C00	R05K-8C00	R05K-8C00	R05K-8C00	R05K-8C00
Cryo-Sentry Level	R036-8C30	RS30-8C40	R05K-8C26	RS60-8C40	N/A
Alarm					
Auto-Tend Controller	N/A	N/A	N/A	RS60-8C86(6)	N/A
Kit					

(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. (4) 2.0 ml vial size: 12.5 mm O.D. internal thread. (5) 81 cell boxes available. (6) Please contact Taylor-Wharton Customer Service for details.

Reviews

There are yet no reviews for this product.