

# CRYOSCIENCE

by Taylor-Wharton™

## LS Series



### **LS Series**

The Taylor-Wharton 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. The new LS6000 with the AutoTend Controller with temperature read out provides automatic filling and alarm features.



**Taylor-Wharton**

# LS Series

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

(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

## Features

- (1) LS 6000 available with AutoTend Controller with temperature readout
- (2) LS 6000-AT, vapor phase, -190°C top of rack
- (3) New Rugged Construction – ribbed high strength aluminum body, magniformed necktube design, and more durable paint system
- (4) Convenient Storage Systems – rack index location ring and internal location spider, computer compatible box storage is ideal for simple inventory management
- (5) Superior vacuum performance with super insulation provides maximum holding times
- (6) Security – Accessory low-level alarm is available with remote monitor capability
- (7) Lockable lids
- (8) Mobility - Roller bases are available





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