



Laboratory Systems Series

LS Series

The Taylor-Wharton Laboratory Systems (LS) are uniquely designed for vial storage in convenient box-type storage racks. They provide maximum holding times, which means lower per vial operating costs and fewer refills. The LS6000 with the Auto-Tend Controller with temperature readout provides automatic filling and alarm features.

LS Series

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⁾ liters/days		0.27	0.76	0.85	0.84	0.84
Liquid Nitrogen Capacity - liters		35	81	130	165	165
Weight Empty	lbs.	39	70	90	121	121
	kg.	17.7	31.8	40.9	55.0	55.0
Weight Full ⁽³⁾	lbs.	101.3	214.2	312.4	410.0	410.0
	kg.	46.0	97.4	146.1	186.4	186.4
Neck Diameter	in.	4.7	8.5	8.5	8.5	8.5
	mm.	119	216	216	216	216
Overall Height	in.	26.8	28.8	35.1	39.0	39.0 ⁽⁴⁾
	mm.	681	731	892	991	991
Overall Diameter	in.	18.8	26.9	26.9	26.9	26.9
	mm.	478	683	683	683	683
Number of Racks		6	6	6	6	6
Number of Shelves/Rack		5	5	8	10	10
2 ml Vial Capacity ⁽⁵⁾		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
		25	100	100	100	100
Vials per box ⁽⁶⁾						
Roller Base		R033-8C00	R05K-8C00	R05K-8C00	R05K-8C00	R05K-8C00
Cryo-Sentry Level Alarm		R036-8C30	RS30-8C40	R05K-8C26	RS60-8C26	N/A
Auto-Tend Controller Kit		N/A	N/A	N/A	N/A	RS60-8C86

(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 actual operating conditions.

(3) Without canisters or racks.

(4) The AT controller adds approximately 2.5" to the height of this unit.

(5) 2.0 ml vial size: 12.5 mm O.D. internal thread.

(6) 81 cell boxes available.

Features

- LS 6000 available with Auto-Tend Controller with temperature readout, and is suitable for liquid or vapor phase storage. In vapor phase storage, temperature at the top of the racks is -190°C.
- 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 fixture, 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 connection capability
- Lockable lids
- Mobility - Roller bases are available



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