



# LS Series

# CST

Cryo-Science  
Technologies



## 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

### CRYOGENICS



## Features

- LS 6000 available with Auto Tend Controller
- LS6000-AT, vapor phase, -190°C at 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



Models		LS750	LS3000	LS4800	LS6000	LS6000AT
Static Holding Time 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
	- 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 (4)		750	3000	4800	6000	6000
Box Size - Shape Size in. Size mm. Vials per box (5)		Square	Square	Square	Square	Square
		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
		76x76	127x127	127x127	127x127	127x127
		25	100	100	100	100
Roller Base		R033-8C00	R05K-8C00	R05K-8C00	R05K-8C00	R05K-8C00
Cryo-Sentry Level Alarm		R036-8C30	RS30-8C40	R05K-8C26	RS60-8C40	N/A
Auto Tend Controller Kit		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