

# CRYOSCIENCE

by Taylor-Wharton™

## K Series



### **K Series**

The K Series cryogenic systems offer reliable liquid nitrogen storage with controllable temperatures between  $-100^{\circ}\text{C}$  to  $-196^{\circ}\text{C}$ . Combined with the safety of the automatic alarms and the easy access to stored product, the unique Temperature Gradient Suppression System greatly improves vapor phase temperature storage and recovery.



**Taylor-Wharton**

# K Series

Models		3K	10K	24K	38K
Static Holding Time days (1)		19	33	52	74
Working Time days (2)		12	N/A	N/A	N/A
Evaporation Rate (1) liters/days		2.5	5.0	7.0	8.0
Liquid Nitrogen Capacity - liters		48	165	365	590
Weight Empty	- lbs.	42.0	245	405	565
	- kg.	19.1	111	184	256
Weight Full	- lbs.	125	537	1046	1616
	- kg.	56.7	243	474	733
Neck Diameter	- in.	14.0	21.0	31.0	39.0
	- mm.	356	533	787	991
Overall Height	- in.	29.7	44.0	44.0	49.0
	- mm.	754	1118	1118	1245
Overall Dimensions	- in.	15.4	23.1x30.5(3)	34.0x38.5(3)	42.0 (4)
	- mm.	391	587x775	864x965	1067
Usable height - Internal	- in.	19.2	29.0	29.0	29.0
	- mm.	488	737	737	737
Internal Diameter	- in.	14.0	21.0 (5)	31.0 (5)	39.0 (5)
	- mm.	356	533	787	991
<b>Capacity</b>		<b>3K</b>	<b>10K</b>	<b>24K</b>	<b>38K</b>
2 ml Plastic Vials (6)		3024	10400	24050	38350
Number of 100/81 Cell Racks		N/A	7	17	28
Number of 25 Cell Racks		N/A	4	6	6
Number of shelves		N/A	13	13	13
Box Size - shape	Triangle		Square	Square	
	Size in.	6.75x6.87 (7)	5x5 (8)	3x3 (8)	
Vials per box	Size mm.	171x175	127x127	76x76	
		56	100	25	
<b>Blood Bag Capacity</b>					
Fenwal #4R5461 - 9953		N/A	235	535	870
Fenwal #4R5462 - 9955		N/A	185	475	680
Fenwal #4R5451 - 9951		N/A	343	805	1407
Stericon #RCM91D		N/A	235	360	560
Chartmed #7005-2		N/A	105	216	536
Gambro #DF700		N/A	88	200	320
Gambro #DF200		N/A	192	496	496
0.50cc straws, 10 per goblet, 2-13mm goblets per can, Two tier turn-table inventory control system		N/A	44000	59400	114000
Roller Base		R018-8C00	N/A	N/A	N/A

## Features

- (1) Vapor or liquid storage
- (2) Intuitive Touch Controls
- (3) Kryos (battery option) or AutoTend
- (4) Stainless Steel vacuum vessel
- (5) Modular design
- (6) Durable powder coated cabinet
- (7) Caster mounted
- (8) Superior vacuum performance



(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) Maximum required clearance (with lid open) for the 10K is 69.0 (1753 mm); 24K is 76.0 in. (1930mm). Depth with lid open for 10K is 34.0 (864 mm); 24K is 48.5 (1232 mm)

(4) Maximum depth 55.0 in (1397mm). Maximum height 90.0 in. (2286 mm) with lid open.

(5) Temperature Gradient Suppression System reduces internal diameter by approx. 1/4 in. (6.4 mm)

(6) 2.0 ml vial size: 12.5 mm O.D. internal thread (7) 6 racks, 9 levels, 2" shelf height

(8) The 10K/24K/38K containers utilize both the 5 in. x 5 in. (127 mm x 127 mm) 100/81 cell box and the 3 in. x 3 in. (76 mm x 76 mm) 25 cell box



**Taylor-Wharton**

*A legacy of excellence. A vision of promise.*

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