

CRYOSCienceTM

by Taylor-WhartonTM

K Series



K Series

The K Series cryogenic systems offer reliable liquid nitrogen storage with controllable temperatures between -100°C to -196°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. - kg.	42.0 19.1	245 111	405 184	565 256
Weight Full	- lbs. - kg.	125 56.7	537 243	1046 474	1616 733
Neck Diameter	- in. - mm.	14.0 356	21.0 533	31.0 787	39.0 991
Overall Height	- in. - mm.	29.7 754	44.0 1118	44.0 1118	49.0 1245
Overall Dimensions	- in. - mm.	15.4 391	23.1x30.5(3) 587x775	34.0x38.5(3) 864x965	42.0 (4) 1067
Usable height - Internal	- in. - mm.	19.2 488	29.0 737	29.0 737	29.0 737
Internal Diameter	- in. - mm.	14.0 356	21.0 (5) 533	31.0 (5) 787	39.0 (5) 991
Capacity		3K	10K	24K	38K
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 Size in. Size mm. Vials per box	Triangle 6.75x6.87 (7) 171x175 56		Square 5x5 (8) 127x127 100	Square 3x3 (8) 76x76 25	
Blood Bag Capacity					
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	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 69.0 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



WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.