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TECHNOLOGY GROUP

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Find the *Taylor-Wharton 10K* at our website: ***Click HERE***

K Series

CST
Cryo-Science Technologies



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
CRYOGENICS

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K Series

Taylor-Wharton Cryogenics
Theodore, AL
1.251.443.8680

Taylor-Wharton Australia Pty. Ltd.
Albury, NSW
61.2.6040.2533

Taylor-Wharton Asia (M) Sdn Bhd
Selangor Darul Ehsan
60.3.5191.3003

Features

- Vapor or liquid storage
- Intuitive Touch Controls
- Kryos (battery option) or AutoTend
- Stainless steel vacuum vessel
- Modular design
- Durable powder coated cabinet
- Caster mounted
- Superior vacuum performance





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	44.0 111 8	44.0 111 8	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	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

(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

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