



WORTHINGTON
INDUSTRIES

K Series



Reliable and Efficient Storage

K Series

Worthington Industries' K Series cryogenic systems offer reliable and efficient liquid nitrogen storage and easy access to stored product. Featuring the safety of electronic controllers that monitor and manage liquid level, temperature, and a full array of alarms, the K Series freezers provide solutions to either liquid or vapor phase storage requirements.

K Series

Features

- Suitable for vapor* or liquid storage
- Intuitive touch controls
- Stainless Steel vacuum vessel
- Modular design
- Durable powder coated cabinet
- Caster mounted
- Superior vacuum performance
- Optional step for 38K
- Various blood bag sizes and capacity details are available upon request



MODEL		3K	10K	24K	38K
Static Holding Days		19	33	52	74
Working Time days		12	N/A	N/A	N/A
Evaporation Rate - 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 587x775	34.0x38.5 864x965	42.0 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	21.0 533	31.0 787	39.0 991
2 ml Plastic Vials		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 in. mm. Vials per box		Triangle 6.75x6.87 171x175 56	Square 5x5 127x127 100	Square 3x3 76x76 25	
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		366742	N/A	N/A	N/A
CS100 Controller		N/A	372540	372541	N/A
CS200 Controller		N/A	367901	367914	368086

Notes:

- (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.

*When using a 10K for vapor phase storage, we recommend using aluminum storage racks.

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