

# AI-91K Series

## BULK SEMEN STORAGE

Designed for the Animal Husbandry Market



### STATE-OF-THE ART DESIGN FEATURES

High efficiency – very low LN<sub>2</sub> consumption

- Storage capacity of 93,000 0.5cc straws (10 straws per cane)
- LN<sub>2</sub> storage in either liquid or vapor phase

Single pivot point aluminum turntable design – smooth rotation and ergonomic use

- Eliminates any mechanical component maintenance
- Full height, segmented and labeled turntable provides easy inventory storage access and management
- Convenient access to measure LN<sub>2</sub> level



Hinged lockable lid and full-size stainless steel tabletop – easy operation with a convenient working surface

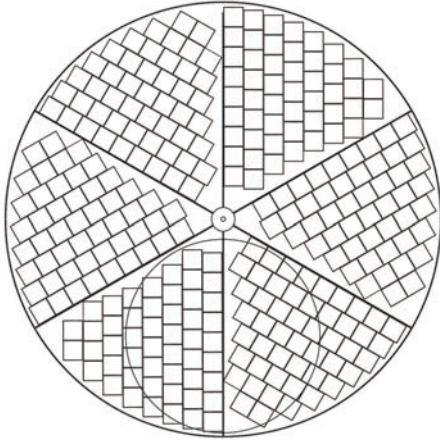
AI-91K	SPECIFICATIONS
Liquid Nitrogen Capacity (L)	916
Number of SUC-1 Canisters	300
Number of 1.2 ml vials on canes	43,200
Number of 2.0 ml vials on canes	24,000
Number of 1/2 cc straws (10/cane, 31 canes/canister)	93,000
Number of 1/4 cc straws (28/cane, 31 canes/canister)	260,400
Bulk Straw Storage, 1/2 cc straws (2 levels, 65mm goblets)	248,800
Bulk Straw Storage, 1/4 cc straws (2 levels, 65mm goblets)	534,920
Neck Opening in. (mm)	24.5 (622)
Usable Internal Height in. (mm)	13.0 (332)
Inner Diameter in. (mm)	56.83 (1443)
Overall Height in. (mm)	44.7 (1135)
Door Width Requirement in. (mm)	60 (1524)
Weight Empty lb. (kg)	1495 (678)
Weight Liquid Full lb. (kg)	3123 (1416)

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### STANDARD CONFIGURATION 6-SECTION TURNTABLE



**300 SUC-1 CANISTERS**

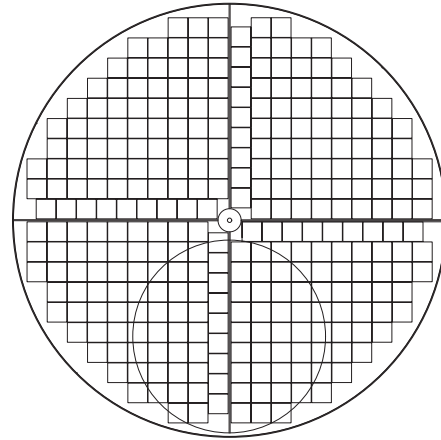
31 canes per canister - 2 each 65mm goblets per canister -  
400 each 0.5cc straws per goblet

**TOTAL CAPACITY = 248,800 0.5 cc straws**

31 canes per canister - 2 each 10mm goblets per cane -  
14 each 0.25cc straws per goblet

**TOTAL CAPACITY = 260,400 0.25cc straws**

### OPTIONAL CONFIGURATION 4-SECTION TURNTABLE



**304 SUC-1 CANISTERS**

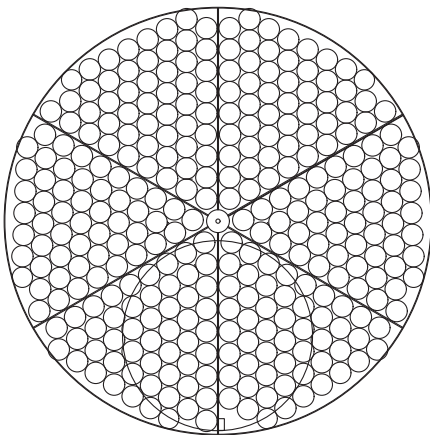
31 canes per canister - 2 each 10mm goblets per cane -  
5 each 0.5cc straws per goblet

**TOTAL CAPACITY = 94,240 0.5cc straws**

31 canes per canister - 2 each 10mm goblets per cane -  
14 each 0.25cc straws per goblet

**TOTAL CAPACITY = 263,872 0.25cc straws**

### STANDARD CONFIGURATION 6-SECTION TURNTABLE



**311 2.75 O.D. CANISTERS**

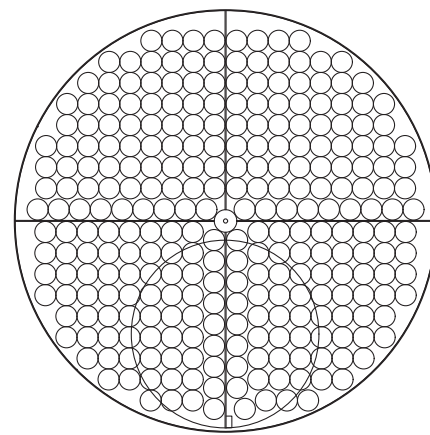
2 each 65mm goblets per canister - 400 each  
0.5cc straws per goblet

**TOTAL CAPACITY = 248,800 0.5 cc straws**

2 each 65mm goblets per canister - 860 each  
0.25cc straws per goblet

**TOTAL CAPACITY = 534,920 0.25cc straws**

### OPTIONAL CONFIGURATION 4-SECTION TURNTABLE



**276 2.75 O.D. CANISTERS**

2 each 65mm goblets per canister - 400 each 0.5cc straws per goblet

**TOTAL CAPACITY = 220,800 0.5 cc straws**

2 each 65mm goblets per canister - 860 each 0.25cc straws per goblet

**TOTAL CAPACITY = 474,720 0.25cc straws**

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