



AI-91K Bulk Semen Storage

Designed for the Animal Husbandry markets

High efficiency – very low LN₂ consumption

- Storage capacity of 93,000 0.5cc straws (10 straws per cane)
- LN₂ 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 LN₂ level

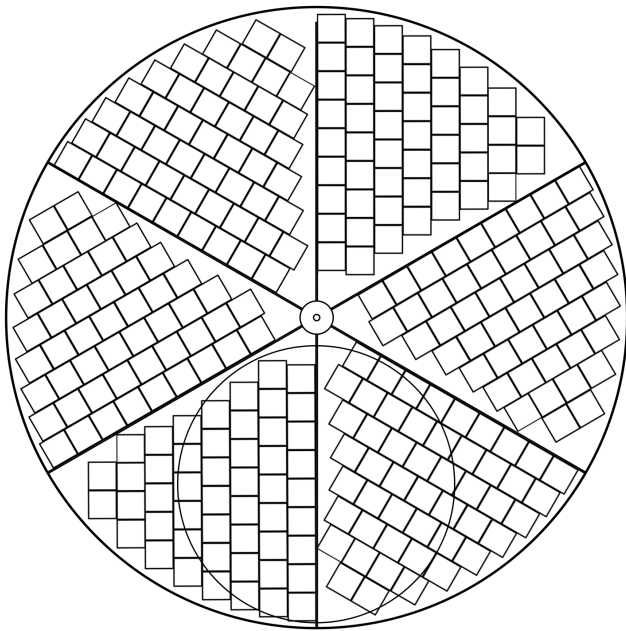
Hinged lockable lid and full-size stainless steel table top - easy operation with a convenient working surface

Available with optional Liquid Level Controller

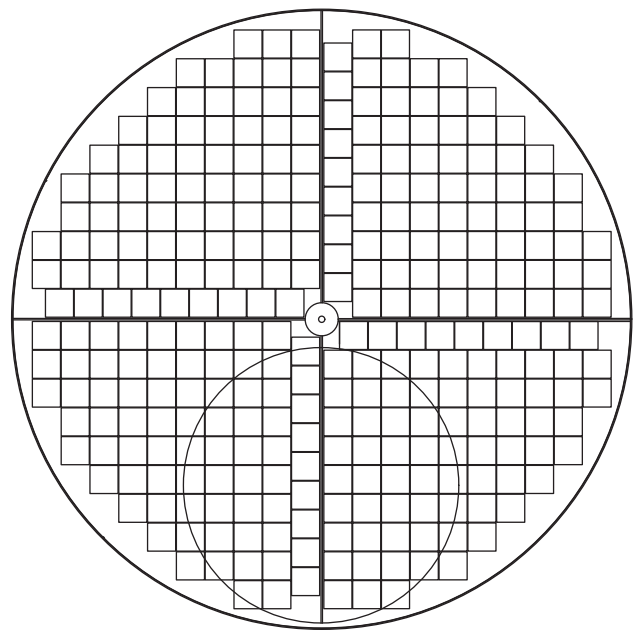
AI-91K	SPECS
Liquid Nitrogen Capacity (L)	916
Number of SUC-1 Canisters	300
Number of 1.2 ml vials on canes	43,200
Number of 2.0 ml vials on canes	24,000
Number of 1/2 cc straws (10/cane, 31 canes/canister)	93,000
Number of 1/4 cc straws (28/cane, 31 canes/canister)	260,400
Bulk Straw Storage, 1/2 cc 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)

AI-91K INVENTORY SYSTEM CONFIGURATIONS

STANDARD CONFIGURATION 6-SECTION TURNTABLE	OPTIONAL CONFIGURATION 4-SECTION TURNTABLE
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300 SUC-1 CANISTERS



304 SUC-1 CANISTERS

31 canes per canister - 2 each 10mm goblets
per cane - 5 each 0.5cc straws per goblet
TOTAL CAPACITY = 93,000 0.5cc straws

31 canes per canister - 2 each 10mm goblets
per cane - 5 each 0.5cc straws per goblet
TOTAL CAPACITY = 94,240 0.5cc straws

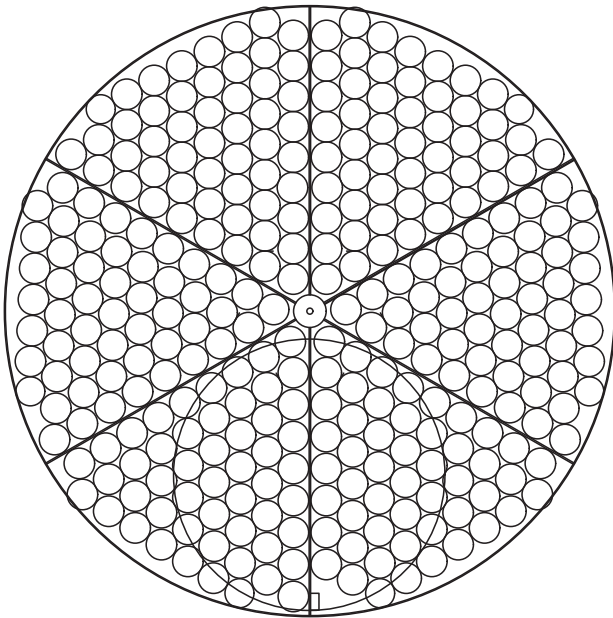
31 canes per canister - 2 each 10mm goblets
per cane - 14 each 0.25cc straws per goblet
TOTAL CAPACITY = 260,400 0.25cc straws

31 canes per canister - 2 each 10mm goblets
per cane - 14 each 0.25cc straws per goblet
TOTAL CAPACITY = 263,872 0.25cc straws

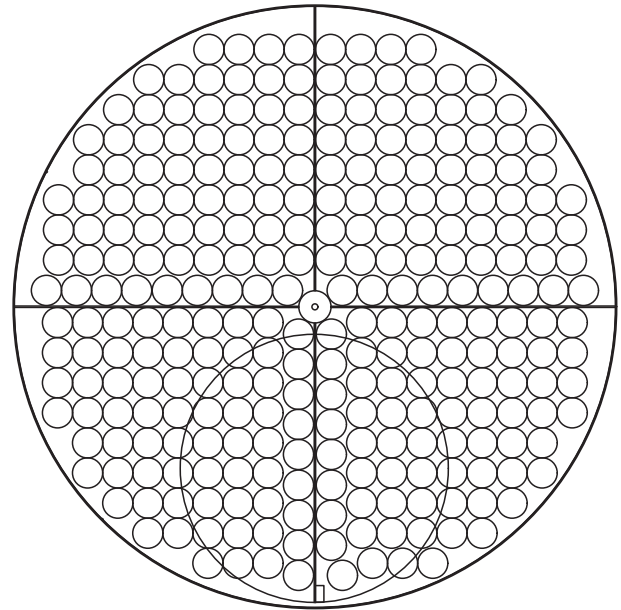


AI-91K INVENTORY SYSTEM CONFIGURATIONS

STANDARD CONFIGURATION 6-SECTION TURNTABLE	OPTIONAL CONFIGURATION 4-SECTION TURNTABLE
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311 2.75 O.D. CANISTERS



276 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 - 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 = 534,920 0.25cc straws

2 each 65mm goblets per canister - 860 each
 0.25cc straws per goblet
TOTAL CAPACITY = 474,720 0.25cc straws



WORTHINGTON
INDUSTRIES

CONTACT US

US Toll Free: 844-273-7517

Global: +1 614-438-7968 / +43 7485 606 286

Web: WorthingtonIndustries.com/AI

Sales Support/Order Placement:

customerservice@worthingtonindustries.com