

iSentry Plus Class

The CryoSafe™ iSentry Plus auto fill units can easily be set to provide safe storage of LN₂ in vapor or liquid phase. Sample racks are directly accessible without the use of an internal carousel. All Auto Fill Tanks feature built-in lid locks.

Providing all of the alarms and controls expected from a modern auto-fill controller, the iSentry Plus liquid nitrogen controller and alarm requires no previous experience to set up and use. The iSentry Plus includes alarms for high temperature, high and low liquid levels, and low LN₂ supply.

Every iSentry Plus tank comes standard with: 6ft. stainless steel armor-plated transfer hose, 3/5 warranty, casters, keyed lid lock, and the iSentry Plus controller. Package systems are available with either polycarbonate or fiberboard inventory boxes, LN₂ measuring rod, stainless steel racks and CryoGloves.



- Three-year warranty on all parts and labor
- Five-year warranty on vacuum

Features:

- iSentry Plus controller and alarms
- UL-Listed Transformer
- Stainless steel vacuum tank
- Recessed casters
- Fiberglass top
- 7 in. Foam insulated hinged lid with locking provision, protective boot, and pneumatic lifters
- Full access opening
- Leveling platform
- Stainless steel armor-plated transfer hose

Models	ASP-1	ASP-2	ASP-3
Total Vial Capacity (2 ml Vial Not Included)	10,400	24,050	38,350
Total Bag Capacity (250 ml Bag Not Included)	235	535	870
LN₂ Capacity (Vapor Storage Liters)	165	365	590
Static Evaporation Rate* (Liters/Day)	5	7	8
Static Holding Time* (Days)	33	52	74
Overall Height** (in/mm)	44/1117.6	44/1117.6	49/1244.6
Usable Height (in/mm)	29/736.6	29/736.6	29/736.6
Exterior Width (in/mm)	23.1/586.7	34/863.6	n/a
Exterior Depth (in/mm)	30.5/774.7	38.5/977.9	n/a
Exterior Diameter (in/mm)	n/a	n/a	42/1066.8
Internal Diameter (in/mm)	21/533.4	31/787.4	39/990.6
Weight Empty (lbs/kg)	245/111.1	405/183.7	565/256.3
Weight Full (lbs/kg)	537/243.6	1046/474.5	1616/733
Power Requirements	16.5 VAC	16.5 VAC	16.5 VAC

**Static 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.*

***Overall Height does not include controller module*



ASP-1



ASP-2



ASP-3

iSentry Plus Liquid Nitrogen Controller and Alarm

Optional Accessories:

- CryoGloves
- Apron
- Face Shield
- LN₂ Measuring Rod
- Tongs
- T-Piece Connector
- Single Unit Canister (SUC-1) Rack
- Stainless Steel or Aluminum Racks
- Cassettes
- Frames
- Fiberboard Boxes (25, 81, 100 cell, or custom)
- Polycarbonate Boxes (25, 81, or 100 cell)

Package Systems:

Model: ASP-1 CS/ ASP-2 CS/ ASP-3 CS

Includes:

Tank, iSentry Plus Controller, Stainless Steel Rack Inventory System, Inventory System, Fiberboard Boxes (25, 81, 100 cell, or custom), Transfer Hose, Cryogloves and LN₂ Measuring Rod

Model: ASP-1 PS/ ASP-2 PS/ ASP-3 PS

Includes:

Tank, iSentry Plus Controller, Stainless Steel Rack Inventory System, Polycarbonate Boxes (25 cell, 81 cell, or 100 cell), Transfer Hose, CryoGloves and LN₂ Measuring Rod



ASP-3 PS