

LIQUID NITROGEN PRESERVATION SYSTEM (Vapour phase 50 LITRES) WITH PRESSURISED SUPPLY TANK (50 LITRES) AND 4 /5 LITRES FLASKS

Specifications:

- Low-profile tank with vacuum-insulated, stainless-steel chamber
- Working liquid nitrogen capacity should be 50 -60 litres.
- Static evaporation rate : ≤ 1.5 litres /day with holding time of min 30 days
- Hanging racks for Cryo-boxes with sample capacity of >1600 (1.5 ml vials)
- Optional Monitor with LED level indicator panel to continuously display liquid nitrogen.
- Optional Digital temperature display sensor to indicate the highest temperature reading inside the tank
- Audible and visual (Indicator flash light) alarms for storage tank conditions like LN_2 low levels
- Temperature uniformity to maintain all samples at $-180^{\circ}C$.
- Should be quoted along with racks and risers for optimum storage in vapour phase.
- At least 4 to 5 racks should be included with the system
- supply tank should assure low static evaporation rate
- Manual hand truck with ball wheels should be supplied to carry supply tank.

Other requirements

- Comprehensive warranty for minimum three years with 2 more years free AMC
- Complete installation and demonstration should be provided by factory-trained certified engineers.
- Validation of the instrument is to be done every six months till the period of warranty.
- Local Service Support should be within 24 hours.
- Additional features/accessories if any that can potentially increase safety of this instrument should be quoted as optional items.