TcCryo YDS Series

Laboratory liquid nitrogen tank



Product Description:

TcCryo YDS series laboratory liquid nitrogen tank is made of special aviation aluminum material. It has the advantages of low liquid nitrogen volatilization rate, light weight, less space occupation, and efficient storage of large-capacity samples, which can meet the needs of laboratory professionals. different needs of people. All models can be equipped with freezer racks and PC freezer boxes to ensure convenient sample storage. At the same time, this series of products also meet the needs of users who use liquid nitrogen to cryogenically treat parts and components, and have the advantages of large diameter and easy operation.



Key Features:

1. Large diameter design is easy to take and place samples.
2. Large capacity low liquid nitrogen consumption, safe storage.
3. High strength and light weight aluminum structure design.
4. High-strength neck tube design reduces liquid nitrogen loss.
5. Multi-layer adiabatic vacuum design reduces thermal radiation.
6. Configurable intelligent monitoring system, remote monitoring.
7. It can be equipped with safety lock to provide security.
8. 5 years vacuum quality guarantee.
9. Product CE certification.

Model	YDS-10-125	YDS-15-125	YDS-20-125	YDS-30-125	YDS-35-125	YDS-47-127
Maximum Storage Capacity						
Number of Racks	1	1	1	6	6	5
Number of 2.0 ml vials 100/box	—	—	—	—	—	—
Number of 2.0 ml vials 25/box	75	75	100	600	750	750
Boxes per Rack	3	3	4	4	5	6
Performance						
Volume (L)	10.4	16.2	21.6	31.5	35.2	52.1
Static Evaporation Rate L/day*	0.43	0.36	0.35	0.33	0.36	0.46
Static Holding Time days*	23	42	57	90	97	110
Unit Dimensions						
Caliber (mm)	125	125	125	125	125	127
Outer Diameter (mm)	305	385	385	440	440	515
Overall Height (mm)	540	600	640	740	760	790

Model	YDS-50-125	YDS-65-216	YDS-65T-216	YDS-95-216	YDS-115-216	YDS-120T-216
Maximum Storage Capacity						
Number of Racks	6	6	4	6	6	4
Number of 2.0 ml vials 100/box	—	2400	2000	3000	3600	4000
Number of 2.0 ml vials 25/box	900	—	—	—	—	—
Boxes per Rack	6	4	5	5	6	10
Performance						
Volume (L)	52.1	65.2	65.2	95.3	115.5	120.5
Static Evaporation Rate L/day*	0.46	0.89	0.76	0.91	0.91	0.83
Static Holding Time days*	110	73	85	105	127	145
Unit Dimensions						
Caliber (mm)	125	216	216	216	216	216
Outer Diameter (mm)	515	680	610	680	680	610
Overall Height (mm)	815	705	800	770	810	1106

Model	YDS-130-216	YDS-145-216	YDS-160-216	YDS-175-216	YDS-190-216	YDS-210-216
Maximum Storage Capacity						
Number of Racks	6	6	6	6	6	6
Number of 2.0 ml vials 100/box	4200	4800	5400	6000	6600	7200
Number of 2.0 ml vials 25/box	—	—	—	—	—	—
Boxes per Rack	7	8	9	10	11	12
Performance						
Volume (L)	130.5	145.5	160.5	175.5	192.5	209.5
Static Evaporation Rate L/day*	0.91	0.91	0.91	0.87	0.91	0.91
Static Holding Time days*	144	160	177	202	210	233
Unit Dimensions						
Caliber (mm)	216	216	216	216	216	216
Outer Diameter (mm)	680	680	680	680	680	680
Overall Height (mm)	870	940	990	1045	1110	1170

* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.
* Static holding time is an arbitrary reference, to estimate container performance under normal operating conditions in liquid storage. Actual working time may vary due to current atmospheric conditions, container history, manufacturing tolerances and patterns of use.

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TcCryo Laboratory Lab Series

Liquid Nitrogen Tanks

The Lab Series cryogenic liquid dewars are named for their acceptance in laboratories and medical facilities worldwide. These high-efficiency, super insulated dewars are the most convenient, economical way to store and dispense liquid nitrogen.



Key Features

- Designed for efficient storage and use of liquid nitrogen in the laboratory
- Low liquid nitrogen consumption
- Simple operation
- Lightweight and portable packaging
- Depositing liquid nitrogen

Lab series parameters



	Lab-3	Lab-4
Performance		
○ LN_2 Capacity L	3.15	4.00
○ Static Evaporation Rate* L/day	0.10	0.16
○ Static retention period* Day	30	25
Unit Dimensions		
○ Neck Opening (mm)	35	35
○ Overall Height (mm)	520	475
○ Outer Diameter (mm)	180	224

FIVE Year Vacuum Warranty • TWO Year Parts Warranty

* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances