TcCryo YDH Series

Dry shipper liquid nitrogen tank

Product Description:

The dry shipper series is suitable for transporting samples in a deep and low temperature environment (gas phase storage, temperature below -190 °C), which can avoid the danger of liquid nitrogen release during transportation, especially suitable for short-term air transportation such as aircraft. There is a liquid nitrogen absorber inside, which can absorb and store liquid nitrogen. Even if the container is dumped, there will be no overflow of liquid nitrogen; there is also a special stainless steel mesh screen to divide the storage space and the liquid nitrogen absorber, which can prevent the liquid nitrogen absorber material from being mixed into the freezer. in the depository. It is mainly suitable for laboratory users and users who need a small amount of samples to be transported in a short time.

Key Features:

1.Gas phase cryogenic storage.

2.No liquid nitrogen overflow.

3.Rapid liquid nitrogen filling.

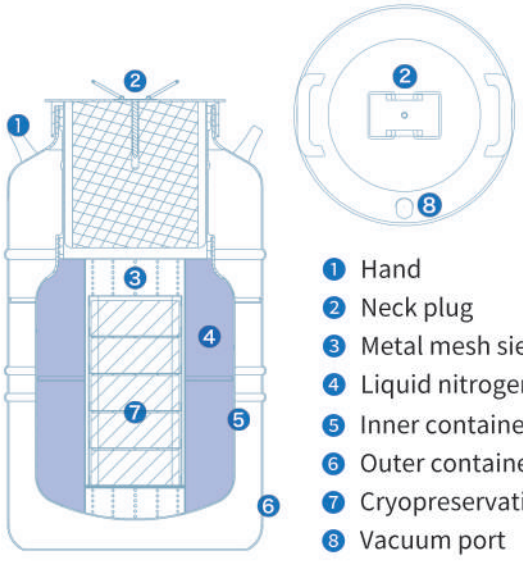
4.Straw and cryovial storage options.

5.Sturdy and durable aluminum construction.

6.EU CE certification.

7.Lockable lid.

8.Three-year vacuum warranty.



Dry shipper

Model	YDH-2-35	YDH-3-50	YDH-4-80	YDH-6-80
Performance				
Volume (L)	2	3	4	6
Liquid Nitrogen Adsorption	1	1.3	1.8	2.4
Static Evaporation Rate L/day*	0.1	0.15	0.19	0.21
Static Holding Time Days*	9	9	9	11
Maximum Storage Capacity				
Canister Size (mm)	ϕ25*120	ϕ47*200	ϕ76*276	ϕ76*200
Number of 2.0 ml Vials	N/A	N/A	N/A	N/A
Number of Freezer Box (25/box)	N/A	N/A	N/A	N/A
Number of Freezer Box (100/box)	N/A	N/A	N/A	N/A
Number of 50ml Blood Bags	N/A	N/A	N/A	N/A
Number of 250ml Blood Bags	N/A	N/A	N/A	N/A
Unit Dimensions				
Neck Opening (mm)	35	50	80	80
Height (mm)	410	470	519	510
Outer Diameter (mm)	180	224	224	283
Empty Weight (kg)	2.7	3.8	5.5	6.1

Model	YDH-10-125	YDH-15-216	YDH-25-216
Performance			
Volume (L)	10	15	25
Liquid Nitrogen Adsorption	6	7	10
Static Evaporation Rate L/day*	0.4	0.89	0.89
Static Holding Time Days*	15	7	11
Maximum Storage Capacity			
Rack Size (mm)	81*85*225	139*141*168	139*141*280
Number of 2.0 ml Vials	100	300	500
Number of Freezer Box (25/box)	4	N/A	N/A
Number of Freezer Box (100/box)	N/A	3	5
Number of 50ml Blood Bags	6	N/A	11
Number of 250ml Blood Bags	N/A	N/A	11
Unit Dimensions			
Neck Opening (mm)	125	216	216
Height (mm)	595	585	665
Outer Diameter (mm)	304	385	375
Empty Weight (kg)	9	12.7	12.5

* 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.