

# LN<sub>2</sub> Dry Shipper Dewar

## Scope of Application

High-strength materials and excellent vacuum insulation performance, suitable for sample delivery through air transportation under -190°C (vapour phase storage) with low risk of LN<sub>2</sub> release.

## Key Features



### Multi Capacity Option

6 models available for 2.0ml Cryovials (3- 600).



### Low LN<sub>2</sub> Consumption

Narrow necks with less evaporation for long time storage.



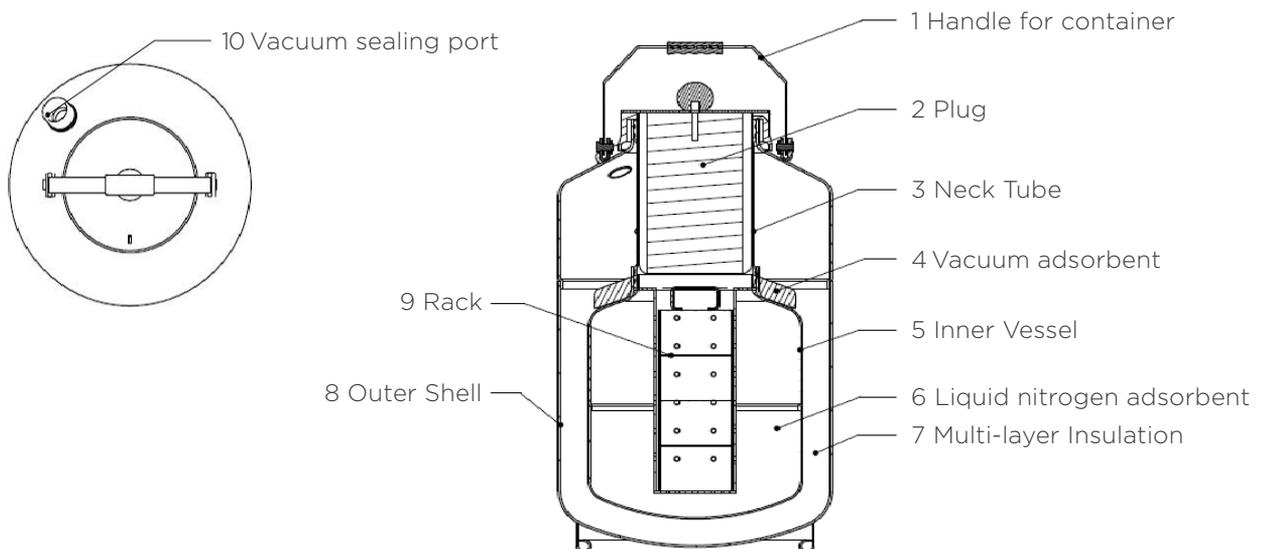
### Advanced Vacuum Technology

Better temperature insulation to protect storage samples.



### Durable Aluminium Alloy

Made of aviation aluminium, has strong and lightweight aluminium structure



## Technical Parameters



Mode	YDH-1.5-30	YDH-3	YDH-6-80	YDH-10-125	YDH-15-216	YDH-25-216
------	------------	-------	----------	------------	------------	------------

### Maximum Storage Capacity

Canister Size (mm)	Ø25*120	Ø47*200	Ø76*200	81*85*225	139*141*225	139*141*336
2ml Vials	3	21	66	100	400	600
5ml vials	---	---	---	50	162	243
No. of straws (0.25ml)	115	451	1065	---	---	---
No. of straws (0.5ml)	53	181	492	---	---	---

### Performance

Volume of LN <sub>2</sub> (L)	1.5	3.15	6	10	15	25
Absorbable Volume of LN <sub>2</sub> (L)	0.9	1.3	2.4	6	6	12
Static Evaporation Rate*(L/D)	0.07	0.15	0.21	0.4	0.89	0.89
Static Holding Time**(Day)	13	9	11	15	7	13

### Dimensions

Neck Opening (mm)	30	50	80	125	216	216
Overall Height (mm)	398	441	492	584	610	741
Overall Diameter (mm)	178	224	300	300	396	396
Empty Weight (kg)	3	3.8	7	8.5	16.2	19.5
Full Weight (kg)	3	3.9	7.2	9.2	16.9	21.2
Shipping Weight (kg)	3.7	5.0	9.2	14.1	21.8	31.0

\* \*\* Static evaporation and static holding time are theoretical values. Actual evaporation and holding time are affected by usage, atmospheric conditions and manufacturing tolerances.

## Product List

YDH Series	Accessory	Model	Description	Notes
YDH-1.5-30	Canister	TT3H-50	Φ25,120mm single tier canister, No goblet	Standard
	Cork (30)	GS-30	Suitable for container with 30mm neck opening	
	Lockable cap	SG-30		
YDH-3	Canister	TT3H-50	Φ38,120mm single tier canister, No goblet	Standard
	Cork (50)	GS-50	Suitable for container with 50mm neck opening	
	Lockable cap	SG-50		
YDH-6-80	Canister	TT6H-80	Φ63,120mm single tier canister, No goblet	Standard
	Cork (80)	GS-80	Suitable for container with 80mm neck opening	
	Lockable cap	SG-80		
YDH-10-125	Rack	FTT-25-4	Used for storing 5*5 cryo boxes (2ml), 4 layers in total, with 5*5 cryo boxes included	Standard
	Cork (125)	GS-125	Suitable for container with 125mm and 127mm neck opening	
	Lockable cap	SG-125		
YDH-15-216	Rack(vertical type)	FDCJ-81-4	Used for storing 9*9 cryo boxes (2ml), 4 layers in total, with 9*9 cryo boxes included	Standard
	Cork (216)	GS-216	Suitable for container with 216mm neck opening	
	Lockable cap	SG-216		
YDH-25-216	Rack(vertical type)	FDCJ-81-5	Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included	Standard
	Cork (216)	GS-216	Suitable for container with 216mm neck opening	
	Lockable cap	SG-216		