

Dryshipper Series for Transportation (Round Canisters)



Scope of Application

Dryshipper Series for Transportation (Round Canisters) is designed for safe sample transportation under cryogenic conditions (vapour phase storage, temperature under -190°C). Since the risk of LN_2 release is avoided, it is suitable for air transportation of samples.

Innovative Design

- Rugged and Durable
- Cryo Absorbant
- Secure
- 3 Year Vacuum Warranty
- Vapour Phase Storage
- No LN_2 Spillage

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Key Features

- Straw and cryovial storage options
- Rugged and durable aluminium construction
- Designed to ensure no LN₂ spillage
- Vapour phase cryogenic storage
- Faster LN₂ fill times
- Lockable lids
- 3 year vacuum warranty

Product Advantages

Liquid Nitrogen Adsorption

Adsorbent materials are used to absorb and retain LN₂ for safe transport. No spillover of LN₂ can occur even when the tank is capsized.

Stainless Steel Mesh

Special stainless steel mesh divides storage space and LN₂ absorbents to prevent absorbent materials from contaminating the samples.

Complete Accessories Set

All models are offered a variety of stainless steel canisters and polycarbonate cryogenic boxes. Locking cover is optional.



Accessories

Plastic Cryo Box



Canister+Rack



Rack(vertical type)



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Technical Parameters



Model	YDH-3	YDH-6-80	YDH-10 -125-F	YDH-15 -216-F	YDH-25 -216-F
Maximum Storage Capacity					
No. of Canister	1	1	1	1	1
No. of Straws (0.5ml/EA)	132	374	854	—	—
No. of Straws (0.25ml/EA)	298	837	1940	—	—
No. of 2.0 ml Cryovials	—	—	100	300	500
No. of Boxes in (2ml per holder)	—	—	4	3	5
Performance					
Volume of LN ₂ (L)	3	6	10	15	25
Absorbable Volume of LN ₂ (L)	1.3	2.9	3.4	6	9
Static Evaporation* (L/Day)	0.16	0.2	0.43	1.5	0.89
Liquid Phase Static Holding Time**(Day)	20	37	23	10	29
Vapour Phase Static Holding Time*** (Day)	8	14	8	4	10
Dimensions					
Opening Diameter (mm)	50	80	125	216	216
Height (mm)	435	487	625	540	716
Outside Diameter (mm)	223	300	300	394	394
Canister Outside Diameter (mm)	38	63	97	—	—
Outside Height (mm)	120	120	120	—	—
Empty Weight (kg)	3.2	4.9	6.7	8.5	15
Full Weight (kg)	4.7	7.5	11	25	30
Shipping Weight (kg)	5.5	7.7	9.7	15.2	20.5

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

** Liquid Phase Static Holding Time: the amount of days it takes for all of the LN to evaporate out after container is filled with liquid nitrogen to pre-cool and reach thermal equilibrium and the liquid nitrogen filling rate reaches 100% under standard atmospheric condition.

*** Vapour Phase Static Holding Time: the amount of days it takes for all of the LN to evaporate out after pouring liquid nitrogen into container to making absorbent materials fully absorb LN under standard atmospheric condition.

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Product List



Model	Product	Model	Description and Accessories
YDH-3	Dry Shipper	YDH-3	Includes 1 canister (height 120mm), lockable cap and protective jacket
	Canister (TT38)	TT3H-50	Φ 38 single tier canister, no goblet, suitable for YDH-3
	Cork (50)	GS10-50	Suitable for YDS-3 / YDH-3 / YDS-6 / YDS-10 / YDS-13 / YDS-25 / YDS-50B
	Lockable Cap	SG-50	Suitable for container with 50mm neck opening
YDH-6-80	Dry Shipper	YDH-6-80	Includes 1 canister (height 120mm), lockable cap and protective jacket
	Canister (TT63)	TT6H-80	Φ 63 single tier canister, no goblet, suitable for YDH-6-80
	Cork (80)	GS10-80	Suitable for YDH-6-80 / YDS-10-80
	Lockable Cap	SG-80	Suitable for container with 80mm neck opening
YDH-10-125	Dry Shipper	YDH-10-125-F	Includes 1 rack (4 layers), 5*5 cryoboxes, lockable cap and protective jacket
	Dry Shipper	YDH-10-125	Includes lockable cap and protective jacket, no rack
	Rack	FTT-25-4	Used to store 2ml cryo boxes (5*5), 4 layers in total, 5*5 cryo boxes included, suitable for YDS-30-125 / YDS-10-125 (Plastic cryo boxes included)
	Canister (TT97)	TT10H-125	Φ 97 single tier canister, no goblet, suitable for YDH-10-125
	Cork (125)	GS10-125	Suitable for YDS-10-125 / YDH-10-125 / YDS-50B-125
	Lockable Cap	SG-125	Suitable for container with 125mm neck opening
	Protective Case X	Protective Case X	Suitable for YDH-10-125
YDH-15-216	Dry Shipper	YDH-15-216-F	Includes 1 rack (3 layers), 9*9 cryoboxes and lockable cap, no protective jacket
	Rack (vertical type)	FDCJ-25-3	Used to store 2ml cryo boxes (5*5), 3 layers in total, suitable for YDS-15-125 (plastic cryoboxes included)
	Cork (216-2)	GS15-216	Suitable for YDS-15-216 / YDH-15-216
	Lockable Cap	SG-216	Suitable for container with 216mm neck opening
YDH-25-216	Dry Shipper	YDH-25-216-F	Includes 1 rack (5 layers), 9*9 cryoboxes and lockable cap, no protective jacket
	Rack	FTT-81-5	Used to store 2ml cryo boxes (9*9), 5 layers in total, 9*9 cryo boxes included, suitable for YDS-95-216 / YDH-25-216 (Plastic cryo boxes included)
	Cork (216)	GS175-216	Suitable for all aluminium tank with neck opening 216mm
	Lockable Cap	SG-216	Suitable for container with 216mm neck opening
Other Racks	Rack (vertical type)	FDCJ-81-5	Used to store 2ml cryo boxes (9*9), 5 layers in total, suitable for YDH-25-216 / YDS-95-216 (plastic cryoboxes included)

Product appearance and specifications are subject to change without notice