

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
- Vapour Phase Storage
- 3 Years Vacuum Warranty
- Secure
- Cryo Absorbant
- No LN_2 Spillage

Qingdao Haier Biomedical Co., Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266111, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com



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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 years 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)



Protective Case



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Technical Parameters

Model	YDH-3	YDH-6-80	YDH-10-125	YDH-10-125	YDH-15-216	YDH-25-216
Picture						
Authentication	CE	CE	CE	CE	CE	CE
Maximum Storage Capacity						
No. of Canister / Rack	1	1	1	1 Rack	1 Rack	1 Rack
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						
Absorbable Volume of LN ₂ (L)	1.3	2.9	3.4	3.4	6	9
Static Evaporation* (L/Day)	0.16	0.2	0.43	0.43	1.5	0.89
Static Holding Time in Vapor Phase**(Day)	8	14	8	8	4	10
Dimensions						
Opening Diameter (mm)	50	80	125	125	216	216
Height (mm)	445	500	625	625	555	730
Outside Diameter (mm)	223	300	300	300	394	394
Canister Outside Diameter (mm)	38	63	97	-	-	-
Outside Height (mm)	120	120	120	-	-	-
Empty Weight (kg)	3.2	6.5	8.9	8.9	13	15
Full Weight (kg)	4.7	8.9	12.5	12.5	17.8	23
Shipping Weight (kg)	5.5	7.7	9.7	9.7	15.2	20.5

*Static Evaporation: The amount of liquid nitrogen lost by natural evaporation within 24 hours after the container is allowed to reach thermal equilibrium under the specified filling rate, which is converted into the evaporation value under the standard state (atmospheric pressure 101.325kPa, ambient temperature 20°C).

**Static Holding Time in Vapor Phase: under the standard state (atmospheric pressure 101.325kPa, ambient temperature 20°C), after the container is filled with liquid nitrogen pre-cooled and reaches thermal equilibrium, the adsorption layer is filled with liquid nitrogen and there is no free liquid nitrogen, the number of days when the liquid nitrogen is completely evaporated on standing.

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Product List



Model	Product	Product Model	Description and Accessories
YDH-3	Dry Shipper	YDH-3	Includes 1 canister (Height 120mm), lockable cap and PU bag
	Canister	TTH3-50	Φ38, 120mm single tier canister, No goblet, suitable for YDH-3
	Smart Cap	T-50	Used for monitoring real time temperature for containers with 50mm neck opening, 6 grooves and 180mm high cork, data can be transmitted to Haier's IoT platform. suitable for YDH-3
	Cork (50)	GS-50-180	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 PU bag
	Canister	TTH6-80	Φ63, 120mm single tier canister, No goblet, suitable for YDH-6-80
	Smart Cap	T-80	Used for monitoring real time temperature for containers with 80mm neck opening, 6 grooves and 180mm high cork, data can be transmitted to Haier's IoT platform. suitable for YDH-6-80
	Cork (80)	GS-80-180	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	Includes 1 rack(4 layers), 5*5 cryoboxes, lockable cap and PU bag
	Dry Shipper	YDH-10-125	Includes lockable cap and PU bag; No Rack
	Rack	FTT-25-4H	Used for storing 5*5 cryo boxes(2ml), 4 layers in total, with 5*5 cryo boxes included, suitable for YDS-30-125/YDS-10-125
	Canister	TTH10-125	Φ97, 120mm single tier canister, No goblet, suitable for YDH-10-125
	Smart Cap	T-125	Used for monitoring real time temperature for containers with 125mm neck opening, 6 grooves and 180mm high cork, data can be transmitted to Haier's IoT platform. suitable for YDH-10-125/YDS-10-125
	Cork (125)	GS-125-180	Suitable for YDS-10-125/YDH-10-125/YDS-50B-125
	Lockable Cap	SG-125	Suitable for container with 125mm and 127mm neck opening
	Protective Case X	HKX-300/660	Suitable for YDH-10-125
YDH-15-216	Dry Shipper	YDH-15-216	Includes 1 rack(3 layers), 9*9 cryoboxes, lockable cap and PU bag
	Rack (Vertical Type)	FDCJ-81-3H	Used for storing 9*9 cryo boxes(2ml), 3 layers in total. With 9*9 cryoboxes included. Suitable for YDH-15-216
	Smart Cap	T-216	Used for monitoring real time temperature for containers with 216mm neck opening, 6 grooves and 150mm high cork, data can be transmitted to Haier's IoT platform. suitable for YDH-15-216
	Cork (216-2)	GS-216-150 (L)	Suitable for YDH-15-216
	Lockable Cap	SG-216	Suitable for container with 216mm neck opening
YDH-25-216	Dry Shipper	YDH-25-216	Includes 1 rack(5 layers), 9*9 cryoboxes, lockable cap and PU bag
	Rack (Vertical Type)	FDCJ-81-5H	Used for storing 9*9 cryo boxes(2ml), 5 layers in total, with 9*9 cryoboxes included. suitable for YDH-25-216/YDS-95-216
	Smart Cap	T-216	Used for monitoring real time temperature for containers with 216mm neck opening, 6 grooves and 210mm high cork, data can be transmitted to Haier's IoT platform. suitable for YDH-25-216/YDS-65-216 /YDS-95-216/YDS-115-216/YDS-145-216/YDS-175-216
	Cork (216)	GS-216-220-7	Suitable for YDS-65-216/YDS-95-216/YDS-115-216/YDS-145-216/YDS-175-216/ YDH-15-216/YDH-25-216
	Lockable Cap	SG-216	Suitable for container with 216mm neck opening
	Protective Shipping Case	HKX-694	Mushroom Type, Suitable for YDH-25-216
	Protective Case	HKX-394/800	Suitable for YDH-25-216

*Haier Biomedical reserves the right to change products and specifications without prior notice.