

Haier Biomedical
Intelligent Protection of Life Science

Liquid Nitrogen Storage Systems

Dryshipper Series for Transportation



Key Features

- 3 Year Vacuum Warranty
- Rugged and Durable
- Dry Shippers
- Cryo absorbant
- Vapor Phase Storage
- Security
- No LN₂ Spillage



Product Description

Liquid Nitrogen Adsorption

The dryshipper is designed for safe sample transportation under cryogenic conditions (vapor phase storage, temperature under -190°C). It is suitable for air transportation of samples in short distances as the risk of LN_2 release is avoided.

Adsorbent materials are used to absorb and retain LN_2 for safe transport. No LN_2 is spilled in the event of the tank being capsized or tipped.





Stainless Steel Mesh

Special stainless steel mesh divides storage space and LN_2 absorbents to prevent absorbent materials from contaminating the samples.

Product List

Model	Description	Accessories	
		Standard (included)	Optional
Dryshipper Series for Transportation	YDH-3	<ul style="list-style-type: none"> • Protective jacket • Locking cover SG-50 • 1*120mm round canister 	/
	YDH-6-80	<ul style="list-style-type: none"> • Protective jacket • Locking cover SG-80 • 1*120mm round canister 	/
	YDH-10-125	<ul style="list-style-type: none"> • Protective jacket • Locking cover SG-125 • 1*120mm round canister 	<ul style="list-style-type: none"> • 1 4-layer Square Canister (FTT-4-55) • Level Monitoring System ZTC-100A
	YDH-10-125-F	<ul style="list-style-type: none"> • Protective jacket • Locking cover SG-125 • 1* 4-layer square canister (FTT-4-55) 	Level Monitoring System ZTC-100A
	YDH-25-216-F	<ul style="list-style-type: none"> • Locking cover SG-216 • 1*5-layer square canister (FTT-5-99) 	Level Monitoring System ZTC-100A







Technical Data

Model	YDH-3	YDH-6-80	YDH-10-125	YDH-10-125-F	YDH-25-216-F
Product Images					
Maximum storage capacity					
Number of canister	1	1	1	1	1
Number of straws(0.5ML/EA)	214	820	1508	-	-
Number of straws(0.25ML/EA)	472	1780	3324	-	-
Number of 2.0ml Cryovials (25/Box)	-	-	-	75	500
Number of boxes in(2ml per holder)	-	-	-	4	5
Performance					
Volume of LN2(L)	3	6	10	10	25
Static Evaporation*(L/day)	0.14	0.22	0.37	0.37	0.75
Duration of Normal Operation** (Day)	13	17	17	17	21
Dimensions					
Opening Diameter(mm)	50	80	125	125	216
Height(mm)	428	481	546	546	705
Outer Diameter(mm)	224	300	300	300	394
Canister Outside Diameter(mm)	38	63	97	-	-
Outside Height(mm)	120	120	120	-	-
Empty Weight(KG)	3.5	5	6.9	6.9	15
Gross Weight(KG)	4.7	7.5	11	11	26
Notes:	Supplied with 1 x 120mm round canister, with protective sleeve and locking lid	Supplied with 1 x 120mm round canister, with protective sleeve and locking lid	Supplied with locking lid and protective sleeve, no canister included as standard	Supplied with 1 x four-layer square rack complete with 5x5 storage box, with protective sleeve and locking lid	Supplied with 1 x five-layer square rack complete with 9x9 storage box, with protective sleeve and locking lid

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

** Duration of normal operation is for reference only to estimate container performance under normal operating conditions. Actual duration may differ due to different atmospheric conditions, usage history, manufacturing tolerances, and particular circumstances."

Accessories and Consumables

Model		Product Images	Applicable Model	Standard Equipped or Optional	Exterior Dimensions (mm)	Gross Weight(kg)	OtherDescription
Canister	Canister TT-50D		Suitable for liquid nitrogen container with opening diameter of 50	Optional	Φ 38×610	0.08	Diameter of 38mm, barrel height of 120mm, single layered canister, excluding white plastic goblet, Suitable for YDH-3
	Canister TT-80D		Suitable for liquid nitrogen container with opening diameter of 80	Optional	Φ 63×675	0.155	Diameter of 63mm, barrel height of 120mm, single layered canister, excluding white plastic goblet, Suitable for YDH-6-80
Cryo Tube Clip	Cryo Tube Clip (Type 3)		Universal	Optional	20×20×150	0.1	Suitable for canister with the height of 120MM contain Cryo Tube Clip and plastic jacket, each tube contain three 2ml Cryo Tube
Cryogenic gloves	Special for low temperature, 32cm in length		Universal	Optional	320×150×10	0.8	overall length 320mm
	Special for low temperature, 45cm in length		Universal	Optional	450×180×10	0.1	overall length 450mm
	Special for low temperature, 72cm in length		Universal	Optional	720×200×20	0.12	overall length 720mm
Level Measuring Scale	Level Measuring Scale (600mm)		Suitable for aluminium containers with capacity of no less than 20L (measuring length 60cm)	Optional	60	0.12	/
	Level Measuring Scale (1000mm)		Suitable for aluminium containers with capacity of no less than 20L (measuring length 100cm)	Optional	100	0.18	/
Cork	Cork with neck opening diameter of 50mm		Suitable for corks with opening diameter of 50	Optional	128×128×210	0.28	/
	Cork with neck opening diameter of 80mm		Suitable for corks with opening diameter of 80	Optional	128×128×200	0.32	/
	Cork with neck opening diameter of 125mm		Suitable for corks with opening diameter of 125	Optional	170×170×180	0.38	/
Locking Cover	Locking Cover SG-50		Suitable for locking cover with opening diameter of 50	Optional	140×140×80	0.7	/
	Locking Cover SG-80		Suitable for locking cover with opening diameter of 80	Optional	180×180×100	0.8	/
	Locking Cover SG-125		Suitable for locking cover with opening diameter of 125	Optional	210×210×120	0.9	/



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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