Small Sized Storage Series (Square Racks)

YDS-50B-125
YDS-35-125
YDS-47-
YDS-30-125
YDS-10-125

Scope of Application:

Widely used within many laboratory environments, this small-sized storage series features low LN₂ consumption and dual handle design. Stores between 100 and 1100 vials in square racks and cryo boxes.

Innovative Design

◉ Ideal for Lab Applications ◉ High Thermal Efficiency ◉ Lightweight ◉ Secure

◉ 10 Litre to 50 Litre Capacity ◉ 5 Year Vacuum Warranty ◉ Superinsulation ◉ Durable

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Key Features

- Heavy duty lockable enclosure offers excellent security
- Strong, lightweight aluminium construction
- Dual handles
- Temperature monitoring available

- Roller bases available
- High thermal efficiency
- 5 year vacuum warranty
- Ultra-low LN_2 evapouration loss

Product Advantages

Low LN_2 Consumption and Maximum Storage Efficiency

Haier Biomedical's Small Sized Storage Series (Square Racks) Liquid Nitrogen Storage System features low LN_2 consumption and small storage capacity for laboratory applications. The lightweight containers have a smaller footprint whilst providing maximum efficiency of cryogenic storage capacity.

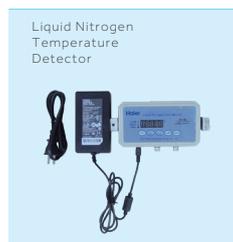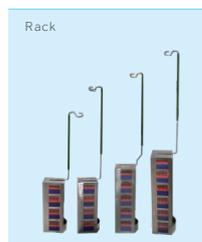### Advanced Vacuum Technology and Super-insulation Technology

Advanced vacuum and insulation technologies provide ultra-low liquid nitrogen evapouration loss and ensure up to three months cryogenic storage.

Five Models Available

Small Sized Storage Series (Square Racks) offers Five models with different capacity from 100, 600, 750, 900 to 1100 standard 2 ml cryovials. All models are supplied with stainless steel racks and cryogenic boxes.

Accessories

| Roller Base | Rack | Liquid Nitrogen Temperature Detector | Lockable Cap (SG-125) | Smart Cap |

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Technical Parameters

Model	YDS-10-125	YDS-30-125	YDS-35-125	YDS-47-127	YDS-50B-125
Picture					
Authentication	CE	CE	CE	CE	CE
Maximum Storage Capacity					
No. of Rack	1	6	6	6 (37 per box)	6
1.2&2 ml Cryovials (25 per box)	100	600	750	1110	900
No. of Boxes in (Rack)	4	4	5	5	6
Performance					
Volume of LN_2 (L)	10	30	35	47	50
Static Evapouration Rate* (L/Day)	0.42	0.35	0.36	0.36	0.45
Static Holding Time** (Day)	24	90	97	130	110
Dimensions	125	125	125	127	125
Opening Diameter (mm)	625	725	765	740	830
Height (mm)					
Overall Diameter (mm)	300	462	462	508	462
Empty Weight (kg)	6.3	13	14.5	18.2	17.3
Full Weight (kg)	15.1	38.9	43.2	60.9	62.4
Shipping Weight (kg)	9.6	19.3	21.9	30.7	30.3

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

** Static Holding Time: the amount of days it takes for all of the LN to evapourate 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.

Product List

* All models with F-suffix are supplied with stainless steel racks and cryo boxes.

Model	Product	Product Model	Factory Code	Description and Accessories
YDS-10-125	Liquid Nitrogen container	YDS-10-125	YDS-10-125-FH	Include 1 square rack with 4 layers , 5*5 cryobox, lockable cap and PU bag.
	Liquid Nitrogen container	YDS-10-125	YDS-10-125-W	Includes PU bag only; No canister; no lockable cap;
	Rack	FTT-25-4H	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	TTH10-125	Φ97,120mm single tier canister, No goblet, suitable for YDH-10-125
	SmartCap	T-125	T-125-6H180	Used for monitoring real time temperature for containers with 125mm neck opening, 6 grooves and 180mm heigh cork, data can be transmitted to Haier's IoT platform, suitable for YDH-10-125/YDS-10-125
	Cork (125)	GS-125-180	GS-125-180	Suitable for YDS-10-125/YDH-10-125/YDS-50B-125
	Lockable cap	SG-125	SG-125	Suitable for container with 125mm and 127mm neck opening
YDS-30-125	Liquid Nitrogen container	YDS-30-125	YDS-30-125-FH	Includes 6 racks with 4 layers, 5*5 cryoboxes, lockable cap and PU bag, roller base is optional.
	Liquid Nitrogen container	YDS-30-125	YDS-30-125-W	Includes PU bag only, roller base is optional
	Rack	FTT-25-4H	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	TT30-125	TT30-125	Φ97,120mm single tier canister, No goblet, suitable for YDS-30-125
	Roller Base	YSC-465-5W	YSC-465-5W	"Suitable for tanks with diameter less than Φ465. Can be used for 30L, 35L and 50L tank, equipped with 5 universal wheels."
	SmartCap	LT-125	LT-125-370-6H540	Used for monitoring real time level and temperature for containers with 80mm neck opening, 6 grooves and 540mm height, suitable for YDS-20-125/YDS-30-125
	Cork (125)	GS-125-210	GS-125-210	Suitable for YDS-30-125/YDS-35-125/YDS-47-127/YDS-35B-125
	Lockable cap	SG-125	SG-125	Suitable for container with 125mm and 127mm neck opening

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Product List

Model	Product	Product Model	Factory Code	Description and Accessories
YDS-35-125	Liquid Nitrogen container	YDS-35-125	YDS-35-125-LYS	Includes 6 canisters (Height 276mm), lockable cap and PU bag,roller base is optional
	Liquid Nitrogen container	YDS-35-125	YDS-35-125-FH	Includes 6 racks with 5 layers, 5*5 cryoboxes, lockable cap and PU bag, roller base is optional.
	Liquid Nitrogen container	YDS-35-125	YDS-35-125-W	Includes PU bag only, roller base is optional
	Rack	FTT-25-5H	FTT-25-5H	Used for storing 5*5 cryo boxes (2ml), 5 layers in total, with 5*5 cryo boxes included, suitable for YDS-35-125
	Canister	TT35-125	TT35-125	Φ97,120mm single tier canister, No goblet, suitable for YDS-35-125
	Canister	TTS35-125	TTS35-125	Φ97,276mm double-tier canister, 2 goblets included. Suitable for YDS-35-125
	Roller Base	YSC-465-5W	YSC-465-5W	"Suitable for tanks with diameter less than Φ465. Can be used for 30L, 35L and 50L tank, equipped with 5 universal wheels."
	SmartCap	LT-125	LT-125-400-6H575	Used for monitoring real time level and temperature for containers with 125mm neck opening, 6 grooves and 575mm height. suitable for YDS-25-125/YDS-35-125/YDS-35-125
	Cork（125）	GS-125-210	GS-125-210	Suitable for YDS-30-125/YDS-35-125/YDS-47-127/YDS-35B-125
	Lockable cap	SG-125	SG-125	Suitable for container with 125mm and 127mm neck opening
YDS-47-127	Liquid Nitrogen container	YDS-47-127	YDS-47-127-T37H	Includes 6 round rack with 5 layers (37 holes) , lockable cap and PU bag; Roller base is optional
	Liquid Nitrogen container	YDS-47-127-10	YDS-47-127-10TS	"Includes 10 canisters(Φ72/276mm), lockable cap and PU bag. roller base is optional"
	Round Rack（Y98-37）	YTT-37-5	YTT-37-5	Φ98 round rack used for storing 37 holes cryobox (2ml), 5 tiers in total, suitable for YDS-47-127-T37
	Canister	TTS47-127-10T	TTS47-127-10T	Φ72, 276mm double-tier canister, 2 goblets included. Suitable for YDS-47-127-10T
	Roller Base	YSC-525-5W	YSC-525-5W	Suitable for tanks with diameter less than Φ525. Can be used for 47L alunimium tank, equipped with 5 universal wheels
	SmartCap	LT-127	LT-127-370-10H570	Used for monitoring real time level and temperature for containers with 127mm neck opening, 10 grooves and 570mm height. Suitable for YDS-47-127-10T/MVE-XC47/11-10
	SmartCap	LT-127	LT-127-400-6H570	Used for monitoring real time level and temperature for containers with 127mm neck opening, 6 grooves and 570mm height. suitable for YDS-47-127-6Y/YDS-47-127/MVE XC-47/11-6
	Cork（125）	GS-125-210	GS-125-210	Suitable for YDS-30-125/YDS-35-125/YDS-47-127/YDS-35B-125
	Cork（125）	GS-127-210-10	GS-127-210-10	Suitable for YDS-47-127-10T
	Lockable cap	SG-125	SG-125	Suitable for container with 125mm and 127mm neck opening
YDS-50B-125	Liquid Nitrogen container	YDS-50B-125	YDS-50B-125-FH	Includes 6 racks with 6 layers, 5*5 cryoboxes, lockable cap and PU bag, roller base is optional.
	Liquid Nitrogen container	YDS-50B-125	YDS-50B-125-LYS	"Includes 6 canisters (Φ97/276mm), lockable cap and PU bag. roller base is optional"
	Liquid Nitrogen container	YDS-50B-125	YDS-50B-125-W	Includes PU bag only, roller base is optional
	Rack	FTT-25-6H	FTT-25-6H	Used for storing 5*5 cryo boxes (2ml), 6 layers in total, with 5*5 cryo boxes included, suitable for YDS-50B-125
	Canister	TT50-125	TT50-125	Φ97,120mm single tier canister, No goblet, suitable for YDS-50B-125
	Canister	TTS50-125	TTS50-125	Φ97,276mm double-tier canister, 2 goblets included. Suitable for YDS-50B-125
	Roller Base	YSC-465-5W	YSC-465-5W	"Suitable for tanks with diameter less than Φ465. Can be used for 30L, 35L and 50L tank, equipped with 5 universal wheels."
	SmartCap	LT-125	LT-125-500-6H670	Used for monitoring real time level and temperature for containers with 125mm neck opening, 6 grooves and 670mm height. suitable for YDS-50B-125
	Cork（125）	GS-125-180	GS-125-180	Suitable for YDS-10-125/YDH-10-125/YDS-50B-125
	Lockable cap	SG-125	SG-125	Suitable for container with 125mm and 127mm neck opening

Product appearance and specifications are subject to change without notice

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