

# Haier Liquid Nitrogen Storage System

## Medium Sized Storage Series

5 Year Vacuum Warranty

Cryobox Storage

High Thermal Efficiency

Liquid and Vapor Storage

Durability

Auto Fill

Security



## Medium Sized Storage Series

### Introduction

Medium Sized Storage Series (Square Racks) features low LN<sub>2</sub> consumption and a relatively small footprint for medium capacity sample storage.

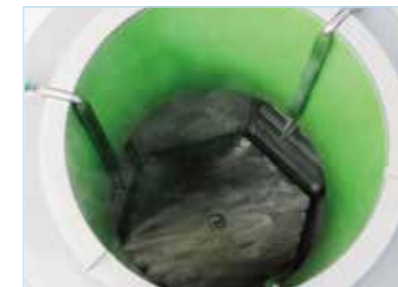
### Key Features

- Heavy duty lockable enclosure offers excellent security
- Compatible with all major cryobox brands
- Durable aluminium construction
- Temperature data-logging monitoring available
- Liquid or vapor phase option available
- High thermal efficiency
- 5 year vacuum warranty
- Ultra-low evaporation Loss

### Product Advantages

#### ULT Storage with Extremely Low LN<sub>2</sub> Evaporation Loss

Freezer racks are in the ultra-low temperature environment with extremely low LN<sub>2</sub> evaporation. Even stored in vapor phase, the temperature will be below -190°C for a long time.



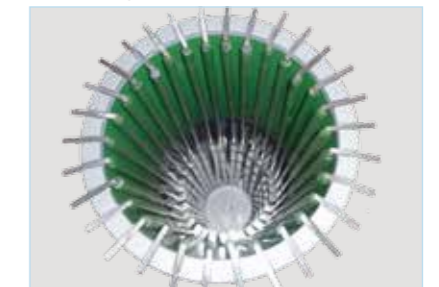
#### Advanced Vacuum Technology and Superinsulation Technology

Advanced vacuum and insulation technologies ensure cryopreservation for as long as four months.



#### Compatible for Blood Bag Storage

Based on application requirements, Medium Sized Storage Series (Square Racks) can be adapted to LN<sub>2</sub> tanks for temporary storage of blood bags before they are transferred to a larger LN<sub>2</sub> storage tank.



#### Level and Temperature Monitor

Liquid level monitor tracks LN<sub>2</sub> liquid level and temperature continuously and reliably inside the tank and informs users to refill LN<sub>2</sub>. It is suitable for institutes requiring long time cryopreservation.

Three models (ZTC-100A/100B/100C) are available.

The monitor offers real-time temperature and LN<sub>2</sub> liquid level display, and audible/visual alarms for high temperature, sensor failure, and low liquid level.



## Technical Parameters

Model	YDS-65-216	YDS-65-216-F	YDS-95-216	YDS-95-216-F	YDS-115-216	YDS-115-216-F	YDS-140-216	YDS-140-216-F	YDS-175-216	YDS-175-216-F
<b>Maximum Storage Capacity</b>										
No. of holders	-	6	-	6	-	6	-	6	-	6
No. 2.0 ml Cryovials (100 / box)	-	2400	-	3000	-	3600	-	4800	-	6000
No. of boxes in (2ml each holder)	-	4	-	5	-	6	-	8	-	10
No. 5.0 ml Cryovials (36 / box)	-	648	-	864	-	1080	-	1296	-	1728
No. of boxes in (5ml each holder)	-	3	-	4	-	5	-	6	-	8
<b>Performance</b>										
Volume of LN <sub>2</sub> (L)	65	65	95	95	115	115	140	140	175	175
Static Evaporation Rate* (L/Day)	0.79	0.79	0.81	0.81	0.83	0.83	0.87	0.87	0.87	0.87
Working Volume (L)	55	55	85	85	105	105	130	130	165	165
Duration of Normal Operation** (Day)	44	44	66	66	80	80	94	94	126	126
<b>Dimensions</b>										
Neck Opening Diameter (MM)	216	216	216	216	216	216	216	216	216	216
Height(MM)	710	710	726	726	796	796	910	910	1026	1026
Outer Diameter(MM)	681	681	681	681	681	681	681	681	681	681
Empty Weight(KG)	27.5	27.5	34.5	34.5	38.5	38.5	42.5	42.5	55	55
Gross Weight(KG)	80.8	80.8	112.4	112.4	132.8	132.8	157.3	157.3	198.5	198.5

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

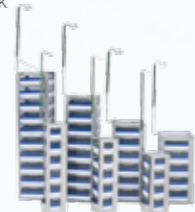
\*\* Duration of normal operation is for reference only to estimate container performance under normal operating conditions. Actual duration may differ due to different atmospheric conditions, usage history, manufacturing tolerances, and particular circumstances.

## Accessories

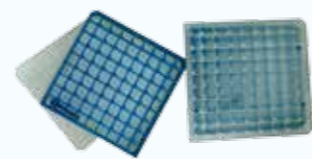
Caster Base



Square Rack



Cryogenic Box



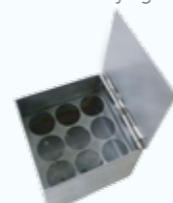
216 Diameter Lock Cap



5 ml Customized Holder



5 ml Customized Cryogenic Box



## Haier Liquid Nitrogen Storage System

### Small Sized Storage Series

5 Year Vacuum Warranty

Durability

High Thermal Efficiency

Security

Strong and Lightweight

Super-Insulation

30 Litre to 50 Litre Capacity

Ideal for Lab Applications



## Product List

Model	Description	Accessories	
		Standard	Optional
YDS-65-216	65L, neck opening diameter 216mm	1. Includes a locking cover SG-216. 2. Includes a cork with neck opening diameter of 125mm	1. 4-layer Square Canister (FTT-4-99) 2. Trolley YSC-M 3. Level Monitoring System ZTC-100A 4. Level Measuring Scale 5. SmartCap LT-216 6. Relay Module SW-300 (Required for cork networking)
YDS-65-216-F	65L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm 3. Includes 6 4-layer square canisters (FTT-4-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	1. Trolley YSC-M 2. Level Monitoring System ZTC-100A 3. Level Measuring Scale 4. SmartCap LT-216 5. Relay Module SW-300 (Required for cork networking)
YDS-95-216	95L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm	1. 5-layer Square Canister (FTT-5-99) 2. Trolley YSC-M 3. Level Monitoring System ZTC-100A 4. Level Measuring Scale 5. SmartCap LT-216 6. Relay Module SW-300 (Required for cork networking)
YDS-95-216-F	95L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm 3. Includes 6 5-layer square canisters (FTT-5-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	1. Trolley YSC-M 2. Level Monitoring System ZTC-100A 3. Level Measuring Scale 4. SmartCap LT-216 5. Relay Module SW-300 (Required for cork networking)
YDS-115-216	115L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm	1. 6-layer Square Canister (FTT-6-99) 2. Trolley YSC-M 3. Level Monitoring System ZTC-100A 4. Level Measuring Scale 5. SmartCap LT-216 6. Relay Module SW-300 (Required for cork networking)
YDS-115-216-F	115L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm 3. Includes 6 6-layer square canisters (FTT-6-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	Trolley YSC-M
YDS-140-216	140L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm	1. 8-layer Square Canister (FTT-8-99) 2. Trolley YSC-M 3. Level Monitoring System ZTC-100A 4. Level Measuring Scale 5. SmartCap LT-216 6. Relay Module SW-300 (Required for cork networking)
YDS-140-216-F	140L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm 3. Includes 6 8-layer square canisters (FTT-8-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	1. Trolley YSC-M 2. Level Monitoring System ZTC-100A 3. Level Measuring Scale 4. SmartCap LT-216 5. Relay Module SW-300 (Required for cork networking)
YDS-140-216-F	140L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm 3. Includes 6 8-layer square canisters (FTT-8-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	1. Trolley YSC-M 2. Level Monitoring System ZTC-100A 3. Level Measuring Scale 4. SmartCap LT-216 5. Relay Module SW-300 (Required for cork networking)
YDS-175-216	175L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm	1. 10-layer Square Canister (FTT-10-99) 2. Trolley YSC-M 3. Level Monitoring System ZTC-100A 4. Level Measuring Scale 5. SmartCap LT-216 6. Relay Module SW-300 (Required for cork networking)
YDS-175-216	175L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm	1. 10-layer Square Canister (FTT-10-99) 2. Trolley YSC-M 3. Level Monitoring System ZTC-100A 4. Level Measuring Scale 5. SmartCap LT-216 6. Relay Module SW-300 (Required for cork networking)
YDS-175-216-F	175L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm 3. Includes 6 10-layer square canisters (FTT-10-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	1. Trolley YSC-M 2. Level Monitoring System ZTC-100A 3. Level Measuring Scale 4. SmartCap LT-216 5. Relay Module SW-300 (Required for cork networking)
YDS-175-216-F	175L, neck opening diameter 216mm	1. Includes a locking cover SG-216 2. Includes a cork with neck opening diameter of 125mm 3. Includes 6 10-layer square canisters (FTT-10-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	1. Trolley YSC-M 2. Level Monitoring System ZTC-100A 3. Level Measuring Scale 4. SmartCap LT-216 5. Relay Module SW-300 (Required for cork networking)

Aluminium Alloy Series for Storage






























	Model	Description	Accessories	
			Standard	Optional
Self Pressurization Type	YDZ-5	5L, neck opening diameter 40mm, height 510mm	Includes single-layer transfusion hoses (GZ-DN15/1.5)	/
	YDZ-15	15L, neck opening diameter 40mm, height 750mm	Includes single-layer transfusion hoses (GZ-DN15/1.5)	/
	YDZ-30	30L, neck opening diameter 40mm, height 879mm	Includes single-layer transfusion hoses (GZ-DN15/1.5)	Float-Type Liquidometer (FZ-30)
	YDZ-50	50L, neck opening diameter 40mm, height 991mm	Includes single-layer transfusion hoses (GZ-DN15/1.5)	Float-Type Liquidometer (FZ-50)
	YDZ-100	100L, neck opening diameter 40mm, height 1185mm	Includes single-layer transfusion hoses (GZ-DN15/1.5)	Float-Type Liquidometer (FZ-100)
	YDZ-150	150L, neck opening diameter 40mm, height 1188mm	Includes single-layer transfusion hoses (GZ-DN15/1.5)	Float-Type Liquidometer (FZ-150)
	YDZ-200	200L, neck opening diameter 40mm, height 1265mm	Includes single-layer transfusion hoses (GZ-DN15/1.5)	Float-Type Liquidometer (FZ-200)
	YDZ-300	300L, neck opening diameter 40mm, height 1459mm	Includes single-layer transfusion hoses (GZ-DN15/1.5)	Float-Type Liquidometer (FZ-300)
	YDZ-500	500L, neck opening diameter 40mm, height 1576mm	Includes single-layer transfusion hoses (GZ-DN15/1.5)	Float-Type Liquidometer (FZ-500)
HighCapacity SeriesStorage orTransport	YDS-2-30	2L, neck opening diameter 30mm	1. Includes 3 canisters (TT-30D) 2. Protective jacket	Locking Cover SG-30
	YDS-3	3L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50D 2. Locking Cover SG-50
	YDS-6	6L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50D 2. Locking Cover SG-50
	YDS-10	10L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50D 2. Locking Cover SG-50
	YDS-10-80	10L, neck opening diameter 80mm	Protective jacket	1. Canister TT-80D 2. Locking Cover SG-80
	YDS-10-125	10L, neck opening diameter 125mm	/	1. Canister TT-125D 2. Locking Cover SG-125
	YDS-13	13L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50D 2. Locking Cover SG-50
	YDS-15	15L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50D 2. Locking Cover SG-50
	YDS-20	20L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50S 2. Locking Cover SG-50 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-30	30L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50S, TT-50D 2. Locking Cover SG-50 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-30-80	30L, neck opening diameter 80mm	Protective jacket	1. Canister TT-80D 2. Locking Cover SG-80 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-30-125	30L, neck opening diameter 125mm	Protective jacket	1. Canister TT-125D 2. Locking Cover SG-125 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-35	35L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50S, TT-50D 2. Locking Cover SG-50 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-35-80	35L, neck opening diameter 80mm	Protective jacket	1. Canister TT-80D 2. Locking Cover SG-80 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-35-125	35L, neck opening diameter 125mm	Protective jacket	1. Canister TT-125S, TT-125D 2. Locking Cover SG-125 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-47-127	47L, neck opening diameter 127mm	1. Includes 10 round canisters with diameter of 72mm and length of 276mm 2. Includes a locking cover SG-125	1. Trolley YSC-S 2. Level Monitoring System ZTC-100A
	YDS-20B	20L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50S, TT-50D 2. Locking Cover SG-50 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-30B	30L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50S, TT-50D 2. Locking Cover SG-50 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-35B	35L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50S, TT-50D 2. Locking Cover SG-50 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-35B-80	35L, neck opening diameter 80mm	Protective jacket	1. Canister TT-80D 2. Locking Cover SG-80 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A














	Model	Description	Accessories	
			Standard	Optional
HighCapacity SeriesStorage orTransport	YDS-35B-125	35L, neck opening diameter 125mm	Protective jacket	1. Canister TT-125S, TT-125D 2. Locking Cover SG-125 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-50B	50L, neck opening diameter 50mm	Protective jacket	1. Canister TT-50S, TT-50D 2. Locking Cover SG-50 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
	YDS-50B-125	50L, neck opening diameter 125mm	Protective jacket	1. Canister TT-125S, TT-125D 2. Locking Cover SG-125 3. Trolley YSC-S 4. Level Monitoring System ZTC-100A
Dryshipper Seriesfor Transportation	YDH-3	Adsorption 1.3L, neck opening diameter 50mm	1. Protective jacket 2. Locking cover SG-50 3. 1*120mm round canister	/
	YDH-6-80	Adsorption 2.9L, neck opening diameter 80mm	1. Protective jacket 2. Locking cover SG-80 3. 1*120mm round canister	/
	YDH-10-125	Adsorption 3.4L, neck opening diameter 125mm	1. Protective jacket 2. Locking cover SG-125	1. 1 4-layer Square Canister (FTT-4-55) 2. Level Monitoring System ZTC-100A
	YDH-10-125-F	Adsorption 3.4L, neck opening diameter 125mm	1. Protective jacket 2. Locking cover SG-125 3. 1*4-layer square canister (FTT-4-55)	Level Monitoring System ZTC-100A
Small Sized Storage Series	YDH-25-216-F	Adsorption 9L, neck opening diameter 216mm	1. Locking cover SG-216 2. 1*5-layer square canister (FTT-5-99)	Level Monitoring System ZTC-100A
	YDS-30-125-F	30L, neck opening diameter 125mm	1. Locking cover SG-125 2. Protective jacket 3. 6*4-layer square canisters (FTT-4-55)	1. Trolley YSC-S 2. Level Monitoring System ZTC-100A
	YDS-35-125-F	35L, neck opening diameter 125mm	1. Locking cover SG-125 2. Protective jacket 3. 6*5-layer square canisters (FTT-5-55)	1. Trolley YSC-S 2. Level Monitoring System ZTC-100A
	YDS-47-127-6YS	47L, neck opening diameter 127mm	1. Locking cover SG-125 2. 6*5-layer round-cell canisters (including 37-cell cryogenic boxes)	1. Trolley YSC-S 2. Level Monitoring System ZTC-100A
	YDS-50B-125-F	50L, neck opening diameter 125mm	1. Locking cover SG-125 2. Protective jacket 3. 6*6-layer square canisters (FTT-6-55)	1. Trolley YSC-S 2. Level Monitoring System ZTC-100A
	Biobank Seriesfor Large Scale Storage	YDD-300-326	300L, neck opening diameter 326mm	Includes vacuum hoses (GRG-DN10/2.0)
YDD-550-445		550L, neck opening diameter 445mm	Includes vacuum hoses (GRG-DN10/2.0)	1. Square Canister FTT-10-55 2. Square Canister FTT-10-99 3. Cryosmart Level Monitoring System SJMU-700N 4. 50ml Blood Bag Cryogenic Rack YDCJ-6 5. 250ml Blood Bag Cryogenic Rack YDCJ-3 6. Level Measuring Scale 1000mm 7. 5*5 Cryogenic Box, 9*9 Cryogenic Box, 10*10 Cryogenic Box
YDD-750-445		750L, neck opening diameter 445mm	Includes vacuum hoses (GRG-DN10/2.0)	1. Square Canister FTT-12-55 2. Square Canister FTT-12-99 3. Cryosmart Level Monitoring System SJMU-700N 4. 250ml Blood Bag Cryogenic Rack YDCJ-5-II 5. Level Measuring Scale 1000mm 6. 5*5 Cryogenic Box, 9*9 Cryogenic Box, 10*10 Cryogenic Box
YDD-850-465		850L, neck opening diameter 465mm	Includes vacuum hoses (GRG-DN10/2.0)	1. Square Canister FTT-13-55 2. Square Canister FTT-13-99 3. Cryosmart Level Monitoring System SJMU-700N 4. 50ml Blood Bag Cryogenic Rack YDCJ-7 5. 250ml Blood Bag Cryogenic Rack YDCJ-4 6. Level Measuring Scale 1000mm 7. 5*5 Cryogenic Box, 9*9 Cryogenic Box, 10*10 Cryogenic Box
YDD-1000-465		1000L, neck opening diameter 465mm	Includes vacuum hoses (GRG-DN10/2.0)	1. Square Canister FTT-15-55 2. Square Canister FTT-15-99 3. Cryosmart Level Monitoring System SJMU-700N 4. 50ml Blood Bag Cryogenic Rack YDCJ-9 5. 250ml Blood Bag Cryogenic Rack YDCJ-5-II 6. Level Measuring Scale 1000mm 7. 5*5 Cryogenic Box, 9*9 Cryogenic Box, 10*10 Cryogenic Box
YDD-1300-635		1300L, neck opening diameter 635mm	Includes vacuum hoses (GRG-DN10/2.0)	1. Square Canister FTT-10-55 2. Square Canister FTT-10-99 3. Cryosmart Level Monitoring System SJMU-700N 4. 50ml Blood Bag Cryogenic Rack YDCJ-6 5. 250ml Blood Bag Cryogenic Rack YDCJ-3 6. Level Measuring Scale 1000mm 7. 5*5 Cryogenic Box, 9*9 Cryogenic Box, 10*10 Cryogenic Box












Model	Description	Accessories		
		Standard	Optional	
Biobank Series for Large Scale Storage	YDD-1600-635	1600L, neck opening diameter 635mm	Includes vacuum hoses (GRG-DN10/2.0)	<ol style="list-style-type: none"> <li>1. Square Canister FTT-13-55</li> <li>2. Square Canister FTT-13-99</li> <li>3. Cryosmart Level Monitoring System SJMU-700N</li> <li>4. 50ml Blood Bag Cryogenic Rack YDCJ-7</li> <li>5. 250ml Blood Bag Cryogenic Rack YDCJ-4</li> <li>6. Level Measuring Scale 1000mm</li> <li>7. 5*5 Cryogenic Box, 9*9 Cryogenic Box, 10*10 Cryogenic Box</li> </ol>
	YDD-1800-635	1800L, neck opening diameter 635mm	Includes vacuum hoses (GRG-DN10/2.0)	<ol style="list-style-type: none"> <li>1. Square Canister FTT-15-55</li> <li>2. Square Canister FTT-15-99</li> <li>3. Cryosmart Level Monitoring System SJMU-700N</li> <li>4. 50ml Blood Bag Cryogenic Rack YDCJ-9</li> <li>5. 250ml Blood Bag Cryogenic Rack YDCJ-5-II</li> <li>6. Level Measuring Scale 1000mm</li> <li>7. 5*5 Cryogenic Box, 9*9 Cryogenic Box, 10*10 Cryogenic Box</li> </ol>
Smart Series	YDS-65-216-FZ	65L, neck opening diameter 216mm	1. Includes an intelligent locking cover 2. Includes a cork with neck opening diameter of 216mm 3. Includes 6*4-layer square canisters (FTT-4-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	Trolley YSC-M
	YDS-95-216-FZ	95L, neck opening diameter 216mm	1. Includes an intelligent locking cover 2. Includes a cork with neck opening diameter of 216mm 3. Includes 6*5-layer square canisters (FTT-5-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	Trolley YSC-M
	YDS-115-216-FZ	115L, neck opening diameter 216mm	1. Includes an intelligent locking cover 2. Includes a cork with neck opening diameter of 216mm 3. Includes 6*6-layer square canisters (FTT-6-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	Trolley YSC-M
	YDS-145-216-FZ	145L, neck opening diameter 216mm	1. Includes an intelligent locking cover 2. Includes a cork with neck opening diameter of 216mm 3. Includes 6*8-layer square canisters (FTT-8-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	Trolley YSC-M
	YDS-175-216-FZ	175L, neck opening diameter 216mm	1. Includes an intelligent locking cover 2. Includes a cork with neck opening diameter of 216mm 3. Includes 6*10-layer square canisters (FTT-10-99) 4. Includes 9*9 cryogenic boxes (may be changed for 10*10)	Trolley YSC-M

Accessories	Model	Picture	Applicable Model	Standard Equipped or Optional	Exterior Dimensions (mm)	Gross Weight (kg)	Other Description
Square Canister	Square Canister FTT-4-55		YDS-30-125/YDS-10-125	Optional	80×82×575	0.42	Used to store 2ml cryogenic boxes (5*5); four layers in total, including 5x5 cryogenic boxes; suitable for YDS-30-125/YDS-10-125 (including plastic cryogenic boxes)
	Square Canister FTT-5-55		YDS-35-125/YDS-47-127	Optional	80×82×610	0.48	Used to store 2ml cryogenic boxes (5*5); five layers in total, including 5x5 cryogenic boxes; suitable for YDS-35-125/YDS-47-127 (including plastic cryogenic boxes)
	Square Canister FTT-6-55		YDS-50-125	Optional	80×82×710	0.55	Used to store 2ml cryogenic boxes (5*5); six layers in total, including 5x5 cryogenic boxes; suitable for YDS-50-125 (including plastic cryogenic boxes)
	Square Canister FTT-10-55		YDD-350\550\1300	Optional	82×84×565	1.05	Used to store 2ml cryogenic boxes (5*5); ten layers in total; suitable for YDD-350\550\1300 (excluding cryogenic boxes)
	Square Canister FTT-13-55		YDD-850\1600	Optional	82×84×733	1.37	Used to store 2ml cryogenic boxes (5*5); thirteen layers in total; suitable for YDD-850\1600 (excluding cryogenic boxes)
	Square Canister FTT-15-55		YDD-1000\1800X2000	Optional	82×84×845	1.58	Used to store 2ml cryogenic boxes (5*5); fifteen layers in total; suitable for YDD-1000\1800X2000 (excluding cryogenic boxes)
	Square Canister FTT-4-99		YDS-65-216	Optional	142×144×565	0.88	Used to store 2ml cryogenic boxes (9*9); four layers in total, including 9x9 cryogenic boxes; suitable for YDS-65-216 (including plastic cryogenic boxes)

Accessories	Model	Picture	Applicable Model	Standard Equipped or Optional	Exterior Dimensions (mm)	Gross Weight (kg)	Other Description
Square Canister	Square Canister FTT-4-55		YDS-30-125/YDS-10-125	Optional	80×82×575	0.42	Used to store 2ml cryogenic boxes (5*5); four layers in total, including 5x5 cryogenic boxes; suitable for YDS-30-125/YDS-10-125 (including plastic cryogenic boxes)
	Square Canister FTT-5-55		YDS-35-125/YDS-47-127	Optional	80×82×610	0.48	Used to store 2ml cryogenic boxes (5*5); five layers in total, including 5x5 cryogenic boxes; suitable for YDS-35-125/YDS-47-127 (including plastic cryogenic boxes)
	Square Canister FTT-6-55		YDS-50-125	Optional	80×82×710	0.55	Used to store 2ml cryogenic boxes (5*5); six layers in total, including 5x5 cryogenic boxes; suitable for YDS-50-125 (including plastic cryogenic boxes)
	Square Canister FTT-10-55		YDD-350\550\1300	Optional	82×84×565	1.05	Used to store 2ml cryogenic boxes (5*5); ten layers in total; suitable for YDD-350\550\1300 (excluding cryogenic boxes)
	Square Canister FTT-13-55		YDD-850\1600	Optional	82×84×733	1.37	Used to store 2ml cryogenic boxes (5*5); thirteen layers in total; suitable for YDD-850\1600 (excluding cryogenic boxes)
	Square Canister FTT-15-55		YDD-1000\1800X2000	Optional	82×84×845	1.58	Used to store 2ml cryogenic boxes (5*5); fifteen layers in total; suitable for YDD-1000\1800X2000 (excluding cryogenic boxes)
	Square Canister FTT-4-99		YDS-65-216	Optional	142×144×565	0.88	Used to store 2ml cryogenic boxes (9*9); four layers in total, including 9x9 cryogenic boxes; suitable for YDS-65-216 (including plastic cryogenic boxes)
	Square Canister FTT-5-99		YDS-95-216\YDS-25H-216	Optional	142×144×630	0.95	Used to store 2ml cryogenic boxes (9*9); five layers in total, including 9x9 cryogenic boxes; suitable for YDS-95-216\YDS-25H-216 (including plastic cryogenic boxes)
	Square Canister FTT-6-99		YDS-115-216	Optional	142×144×690	1.08	Standard accessories include no canister; including protective jacket and excluding locking cover; maximum 6 canisters are optional
	Square Canister FTT-8-99		YDS-145-216	Optional	142×144×795	1.30	Used to store 2ml cryogenic boxes (9*9); eight layers in total, including 9x9 cryogenic boxes; suitable for YDS-145-216 (including plastic cryogenic boxes)
Level Monitoring system	Square Canister FTT-10-99		YDD-350\550\1300	Optional	142×144×915	1.48	Used to store 2ml cryogenic boxes (9*9); ten layers in total; suitable for YDD-350\550\1300 (excluding cryogenic boxes)
	Square Canister FTT-10-99 (with boxes)		YDS-175-216- F	Optional	142×144×565	2.10	10 layers in total, including 9x9 cryogenic boxes; suitable for YDS-175-216- F
	Square Canister FTT-13-99		YDD-850\1600	Optional	142×144×733	2.66	Used to store 2ml cryogenic boxes (9*9); 13 layers in total; suitable for YDD-850\1600 (excluding cryogenic boxes)
	Square Canister FTT-15-99		YDD-1000\1800\2000	Optional	142×144×845	3.15	Used to store 2ml cryogenic boxes (9*9); 15 layers in total; suitable for YDD-1000\1800\2000 (excluding cryogenic boxes)
	Level Monitoring System ZTC-100A		Suitable for both YDS series and YDZ series	Optional	95×155×35	0.50	Using platinum resistor to measure the temperature, and setting single-point level alarm through the temperature; with buzzer alarm function available
	Level Monitoring System ZTC-100B		Suitable for both YDS series and YDZ series	Optional	95×155×35	0.50	Using platinum resistor to measure the temperature, and setting single-point level alarm through the temperature; with buzzer alarm function available; with output switch control signal and direct-driven solenoid
	Level Monitoring System ZTC-100C		Suitable for both YDS series and YDZ series	Optional	95×155×35	0.50	Using platinum resistor to measure the temperature, and setting single-point level alarm through the temperature; with buzzer alarm function available; with output switch control signal and direct-driven solenoid
Cryosmart Level Monitoring System SJMU-700N		Suitable for Only YDD series	Optional	175×195×85	3.21	Suitable for all differential pressure measurement gas-phase liquid nitrogen containers; including the liquid inlet system and excluding the wireless data transmission module	

Accessories	Model	Picture	Applicable Model	Standard Equipped or Optional	Exterior Dimensions (mm)	Gross Weight (kg)	Other Description
Stainless Steel Trolley	Trolley YSC-S		Suitable for 30-50L series of products (new 47-127 liquid nitrogen containers need to be separately noted); suitable for 30L, 35L and 50L series of products; equipped with 5 universal casters	Optional	80×82×575	0.42	Used to store 2ml cryogenic boxes (5*5); four layers in total, including 5x5 cryogenic boxes; suitable for YDS-30-125/YDS-10-125 (including plastic cryogenic boxes)
	Trolley YSC-M		Suitable for 65-175L series of products; configured with 5 universal casters	Optional	80×82×610	0.48	Used to store 2ml cryogenic boxes (5*5); five layers in total, including 5x5 cryogenic boxes; suitable for YDS-35-125/YDS-47-127 (including plastic cryogenic boxes)
Liquid Nitrogen Pump	ZYB-5 Hand Held Liquid Nitrogen Pump		Suitable for series of products above 20L with opening diameter of 50	Optional	250×185×1115	18.50	Suitable for series products with neck opening diameter of 50mm and capacity of no less than 20L
	ZYB-8 Foot Step Liquid Nitrogen Pump		Suitable for series of products above 20L with opening diameter of 850	Optional	250×185×1115	24.50	Suitable for series products with neck opening diameter of 50mm and capacity of no less than 20L
Level Measuring Scale	Level Measuring Scale (600MM)		Suitable for aluminum containers below 20L (measuring length: 60cm)	Optional	60	0.12	Suitable for aluminium containers with capacity of no less than 20L (measuring length 60cm)
	Level Measuring Scale (1000MM)		Suitable for aluminum containers below 20L (measuring length: 100cm)	Optional	100	0.18	Suitable for aluminium containers with capacity of no less than 20L (measuring length 100cm)
Cryogenic Rack	Cryogenic RackYDCJ-6	Irregular inventory; no picture available; to be customized	For 50ml blood bag; 1 blood bag in each cryogenic rack layer; 6 layers in total; including blood bag cryogenic box; suitable for YDD-300\550\1300	Optional	Customized model	/	Used to store 50ml blood bag; 6 layers in total with each layer storing one blood bag; including blood bag cryogenic boxes; suitable for YD D-350\550\1300
	Cryogenic RackYDCJ-7	Irregular inventory; no picture available; to be customized	For 50ml blood bag; 1 blood bag in each cryogenic rack layer; 7 layers in total; including blood bag cryogenic box; suitable for YDD-850\1600	Optional	Customized model	/	Used to store 50ml blood bag; 7 layers in total with each layer storing one blood bag; including blood bag cryogenic boxes; suitable for YDD-850\1600
	Cryogenic RackYDCJ-9	Irregular inventory; no picture available; to be customized	For 50ml blood bag; 1 blood bag in each cryogenic rack layer; 9 layers in total; including blood bag cryogenic box; suitable for YDD-1000\1800\2100	Optional	Customized model	/	Used to store 50ml blood bag; 9 layers in total with each layer storing one blood bag; including blood bag cryogenic boxes; suitable for YD D-1000\1800\2100
	Cryogenic RackYDCJ-3	Irregular inventory; no picture available; to be customized	For 250ml blood bag; 1 blood bag in each cryogenic rack layer; 3 layers in total; including blood bag cryogenic box; suitable for YDD-350\550\1300	Optional	Customized model	/	Used to store 250ml blood bag; 3 layers in total with each layer storing one blood bag; including blood bag cryogenic boxes; suitable for YDD-350\550\1300
	Cryogenic RackYDCJ-4	Irregular inventory; no picture available; to be customized	For 250ml blood bag; 1 blood bag in each cryogenic rack layer; 4 layers in total; including blood bag cryogenic box; suitable for YDD-850	Optional	Customized model	/	Used to store 250ml blood bag; 4 layers in total with each layer storing one blood bag; including blood bag cryogenic boxes; suitable for YDD-850
	Cryogenic RackYDCJ-5-11	Irregular inventory; no picture available; to be customized	For 250ml blood bag; 1 blood bag in each cryogenic rack layer; 5 layers in total; including blood bag cryogenic box; suitable for YDD-450\750\1000\1800\1900\2000	Optional	Customized model	/	Used to store 250ml blood bag; 5 layers in total with each layer storing one blood bag; including blood bag cryogenic boxes; suitable for YDD-750\1000\1800\1900\2000
	Cork	Cork with neck opening diameter of 30mm		Suitable for corks with opening diameter of 30	Optional	128×128×210	0.20
Cork with neck opening diameter of 35mm			Suitable for corks with opening diameter of 35	Optional	128×128×210	0.24	Including the cap and the cork body; suitable for YDS-2-35
Cork with neck opening diameter of 50mm			Suitable for corks with opening diameter of 50	Optional	128×128×210	0.28	Suitable for neck opening diameter of 50mm
Cork with neck opening diameter of 80mm			Suitable for corks with opening diameter of 80	Optional	128×128×200	0.32	Suitable for neck opening diameter of 80mm
Cork with neck opening diameter of 125mm			Suitable for corks with opening diameter of 125	Optional	170×170×180	0.38	Suitable for neck opening diameter of 125mm
Cork with neck opening diameter of 216mm			Suitable for corks with opening diameter of 216	Optional	220×220×210	0.51	Suitable for neck opening diameter of 216mm
Locking Cover	Locking Cover SG-30		Suitable for locking cover with opening diameter of 30	Optional	130×130×80	0.65	Suitable for YDS-2-30
	Locking Cover SG-35		Suitable for locking cover with opening diameter of 35	Optional	130×130×80	0.65	Suitable for YDS-2-35
	Locking Cover SG-50		Suitable for locking cover with opening diameter of 50	Optional	140×140×80	0.70	Suitable for neck opening diameter of 50mm
	Locking Cover SG-80		Suitable for locking cover with opening diameter of 80	Optional	180×180×100	0.80	Suitable for neck opening diameter of 80mm
	Locking Cover SG-125		Suitable for locking cover with opening diameter of 125	Optional	210×210×120	0.90	Suitable for neck opening diameter of 125mm
	Locking Cover SG-216		Suitable for locking cover with opening diameter of 216	Optional	280×280×150	1.10	Suitable for neck opening diameter of 216mm

Accessories	Model	Picture	Applicable Model	Standard Equipped or Optional	Exterior Dimensions (mm)	Gross Weight (kg)	Other Description
Canister	Canister TT-30D		Suitable for 120mm round canister with neck opening diameter of 30	Optional	Φ 25×330	0.05	Diameter of 19mm, height of 120mm, single layered canister, suitable for YDS-2-30
	Canister TT-35D		Suitable for 120mm round canister with neck opening diameter of 35	Optional	Φ 25×330	0.05	Diameter of 25mm, height of 120mm, single layered canister, excluding white plastic goblet, suitable for YDS-2-30
	Canister TT-50D		Suitable for 120mm round canister with neck opening diameter of 50	Optional	Φ 38×610	0.08	Diameter of 38mm, height of 120mm, single layered canister, excluding white plastic goblet, suitable for YDS-6, YDS-10, YDS-15, YDS-20, YD S-30, YDS-35, YDS-50 models
	Canister TT-50S		Suitable for 276mm round canister with neck opening diameter of 50	Optional	Φ 38×675	0.08	Diameter of 38mm, height of 276mm, double layered canister, including white plastic goblet, suitable for YDS-13, YDS-30, YDS-35, YDS-50 models
	Canister TT-80D		Suitable for 120mm round canister with neck opening diameter of 80	Optional	Φ 63×675	0.16	Diameter of 63mm, height of 120mm, single layered canister, excluding white plastic goblet, suitable for YDS-10-80, YDS-30-80, YDS-35-80, YDS-6H-80, YDS-8H-80 models
	Canister TT-125D		Suitable for 120mm round canister with neck opening diameter of 125	Optional	Φ 97×710	0.33	Diameter of 97mm, height of 120mm, single layered canister, excluding white plastic goblet, suitable for YDS-30-125, YDS-35-125, YDS-50B -125
Cryo Tube Clip	Cryo Tube Clip (Type 3)		Universal	Optional	20×20×150	0.01	Suitable for canister with the height of 120MM, contain Cryo Tube Clip and plastic jacket, each tube contain 3.2ml Cryo Tube
	Cryo Tube Clip (Type 6)		Universal	Optional	20×20×300	0.02	Suitable for canister with the height of 276MM, contain Cryo Tube Clip and plastic jacket, each tube contain 6.2ml Cryo Tube
Float-Type Liquidometer	FZ-30		Suitable for 30L self-pressurization containers	Optional	/	/	Suitable for YDZ-30
	FZ-50		Suitable for 50L self-pressurization containers	Optional	/	/	Suitable for YDZ-50
	FZ-100		Suitable for 100L self-pressurization containers	Optional	/	/	Suitable for YDZ-100
	FZ-150		Suitable for 150L self-pressurization containers	Optional	/	/	Suitable for YDZ-150
	FZ-175		Suitable for 175L self-pressurization containers	Optional	/	/	Suitable for YDZ-175
	FZ-200		Suitable for 200L self-pressurization containers	Optional	/	/	Suitable for YDZ-200
	FZ-300		Suitable for 300L self-pressurization containers	Optional	/	/	Suitable for YDZ-300
	FZ-500		Suitable for 500L self-pressurization containers	Optional	/	/	Suitable for YDZ-500
Cryogenic Gloves	Special for low temperature, 32cm in length		Universal	Optional	320×150×10	0.08	Overall length 320mm
	Special for low temperature, 45cm in length		Universal	Optional	450×180×10	0.10	Overall length 450mm
	Special for low temperature, 72cm in length		Universal	Optional	720×200×20	0.12	Overall length 720mm
Flexible Metal Tubing	GZ-DN15/1.5		Drift diameter: 10mm; length: 1.5m; special for self-pressurization containers	Optional	1500×20×20	1.20	Diameter of 10mm, length of 1.5M, suitable for YDZ series
	GB-DN15/1.5		Drift diameter: 10mm; length: 1.0m; special for liquid nitrogen pump	Optional	1000×20×20	1.20	Diameter of 10mm, length of 1.0M, suitable for liquid nitrogen pump series



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