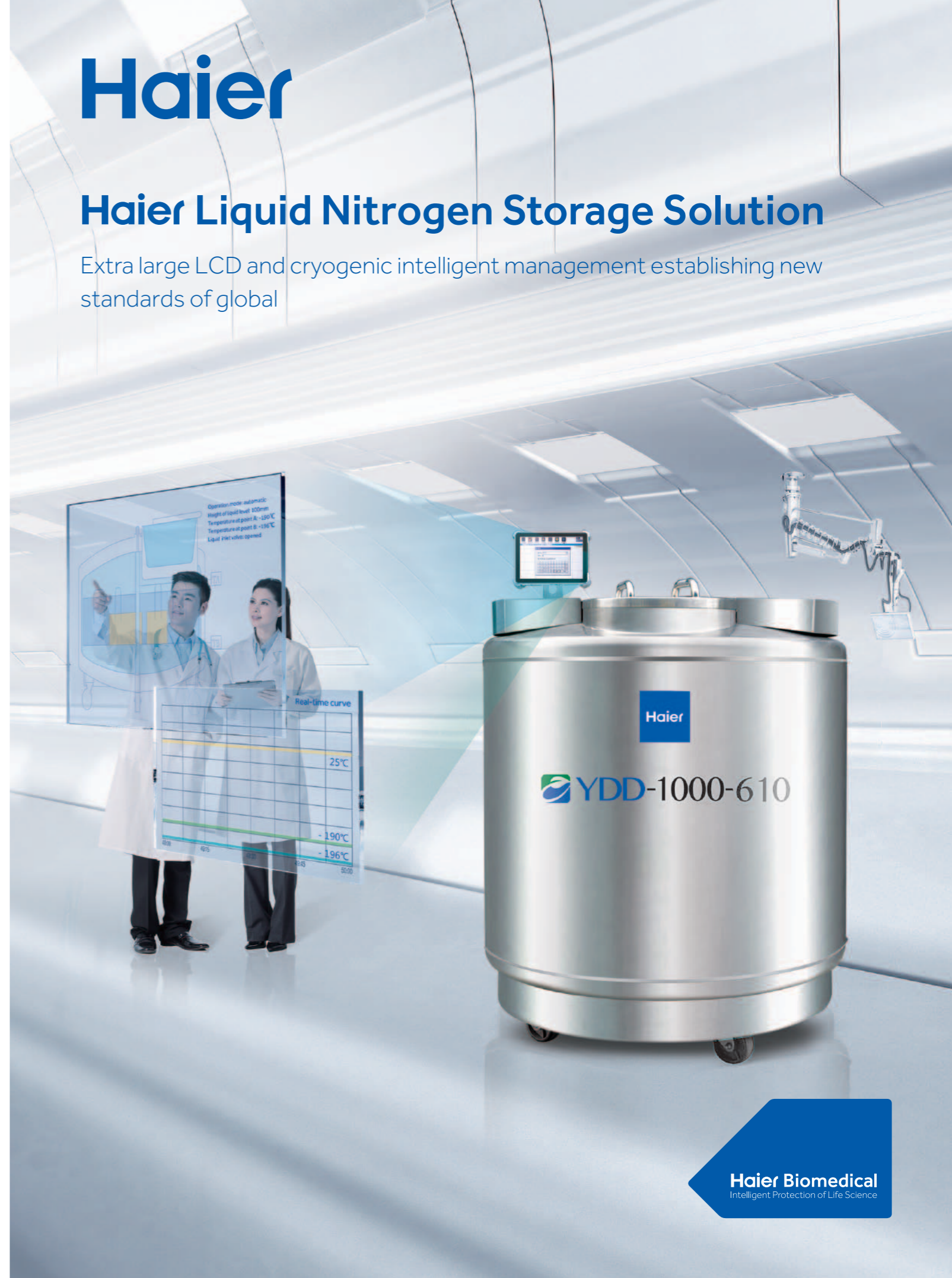


Haier

Haier Liquid Nitrogen Storage Solution

Extra large LCD and cryogenic intelligent management establishing new standards of global



2017-06

Haier Medical and Laboratory Products Co., Ltd

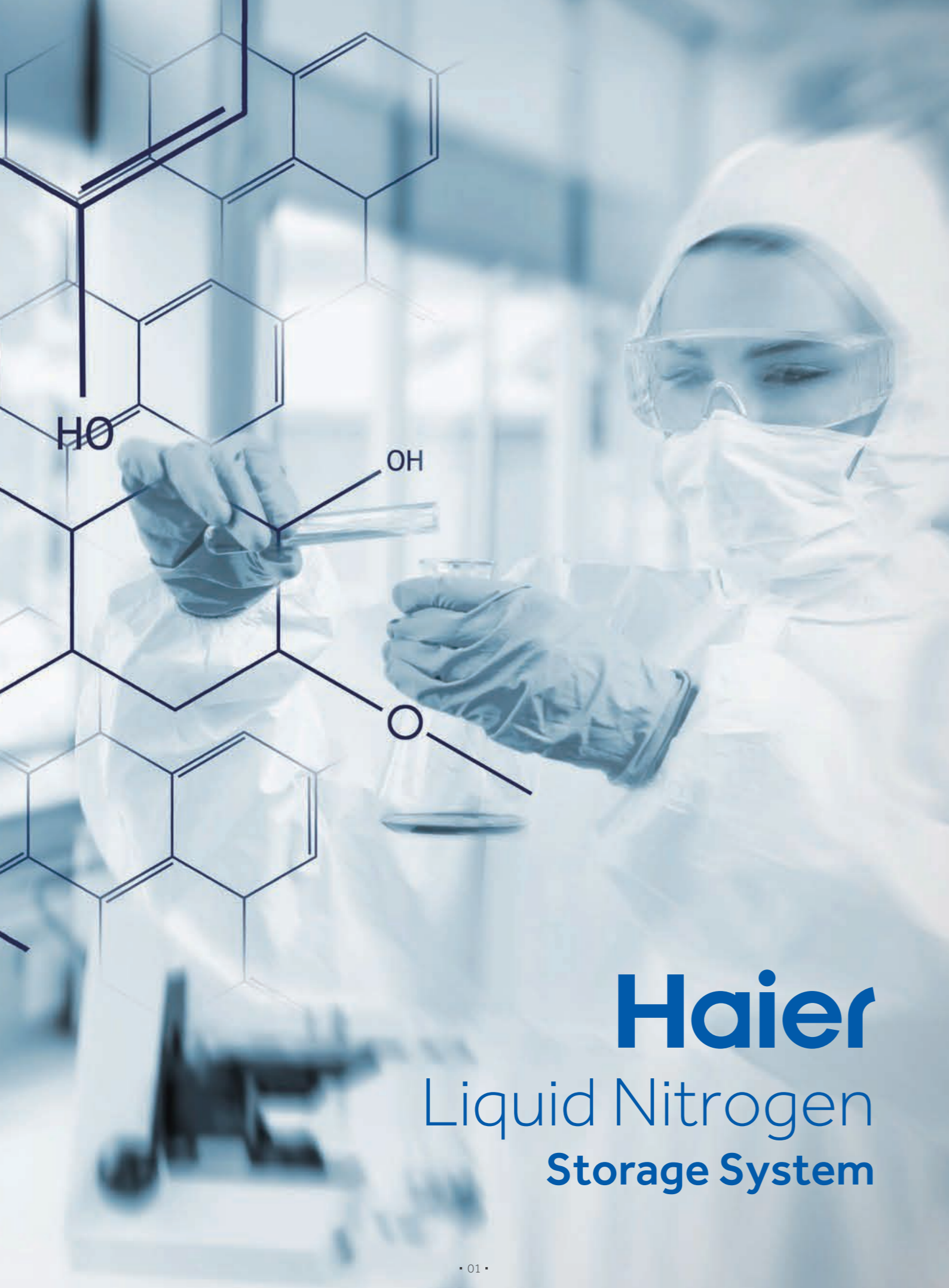
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Website: www.haiermedical.com



Note: If slight difference occurs between pictures and actual products, please refer to actual products. Our company reserves the right of final interpretation to this brochure and please contact with us for future information you might need.



Haier Biomedical
Intelligent Protection of Life Science



Haier

Liquid Nitrogen Storage System

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Haier Liquid Nitrogen Storage System Biobank Series

LN₂ Splash Proof

Data Logging

Quick Chill

Rapid Specimen Storage

5 Year Vacuum Warranty

From 13000 To 94875 Cryovials

Self Diagnostic

"Dry" Sample Storage

Lockable Lid

Liquid Or Vapour

One-touch Defogging



Biobank Series



Introduction

Biobank Series has six models with capacity of 300, 500, 800, 1000, 1500, and 1800. Biobank Series is designed to ensure the maximum storage capacity with the minimum consumption of liquid nitrogen to lower the overall cost of operations.

Key Features

- Massive capacity between 13000 to 94875×2ml Vials
- Vapor phase storage is the only guaranteed method to prevent cross-contamination
- Vapour phase storage at -190°C
- 5 year vacuum warranty
- One-touch defogging for easier access
- LN₂ splash proof make the operation more secure
- Biobank storage compatible

Product Advantages

Optimal Use of Storage Space

Racks are stored on the rotating tray with an appropriate distance from the wall of the chamber. Liquid nitrogen or supercooled nitrogen vapor is filled in the space between the tray and the wall to maintain temperature uniformity. Storage space is equally divided into four or six fan-shaped storage rooms which are clearly labeled. Each storage room is easily rotated to the opening of the tank for convenient sample access.



Designed for Both Liquid and Vapor Phase Storage

Each model of Biobank Series is designed for both liquid and vapor phase storage. For vapor phase storage, samples are kept away from the liquid nitrogen while stored in a uniform temperature that is close to the temperature range of liquid nitrogen.

Advanced Vacuum Technology and Superinsulation Technology

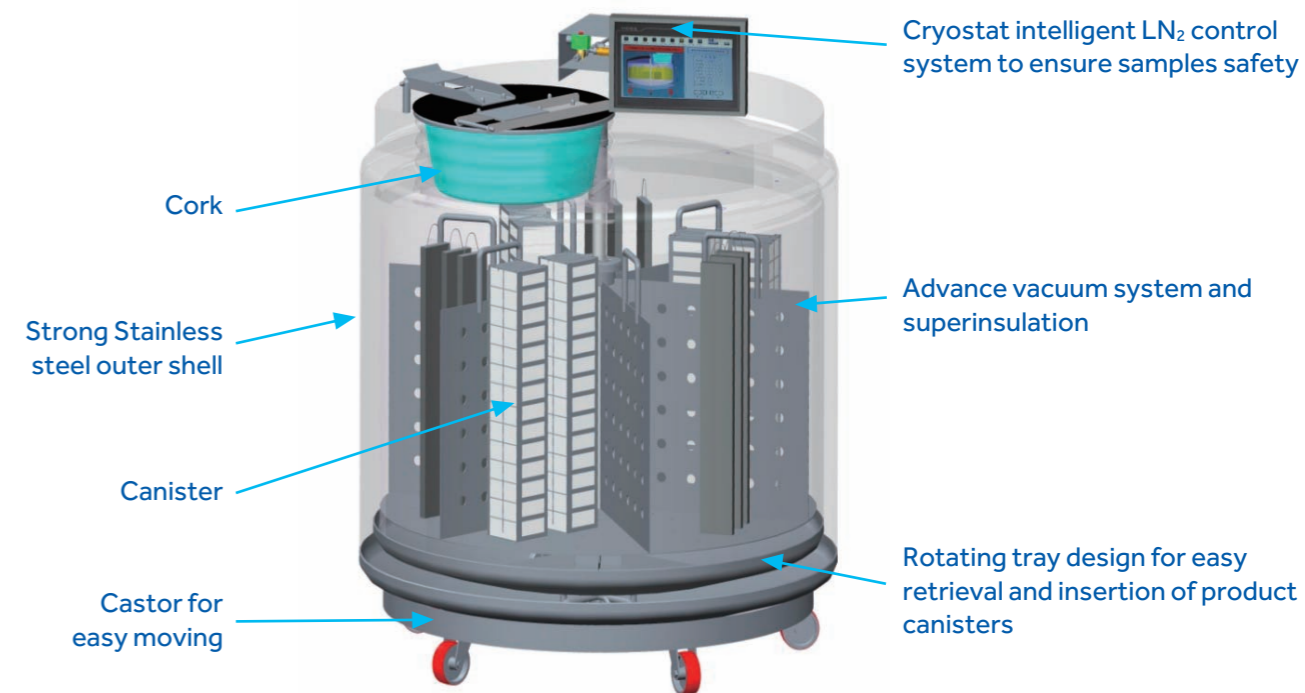
Haier Liquid Nitrogen Storage System Biobank Series applies advanced vacuum technology and superinsulation technology to ensure storage safety and temperature uniformity while reducing the consumption of liquid nitrogen. The temperature difference of the entire storage area does not exceed 10°C even in vapor phase storage, and temperature near the top of the shelf can be as low as -190°C.

Cryosmart Intelligent Liquid Nitrogen Control System

Haier Liquid Nitrogen Storage System Biobank Series features Cryosmart system for complete monitoring and controlling. High-precision temperature and liquid level sensors are used to ensure accuracy. All data and samples are protected by secure access control system.

Product Details

Product structure



Top of the Container



Lid Open



A Low-temperature hose connects the inlet and liquid nitrogen tank for supplement. A silencer reduces the noise of nitrogen emission to grant a quiet environment.



Vapor condensation near the container opening is controlled. The strength of the container is reinforced at liquid nitrogen temperature to extend service life.

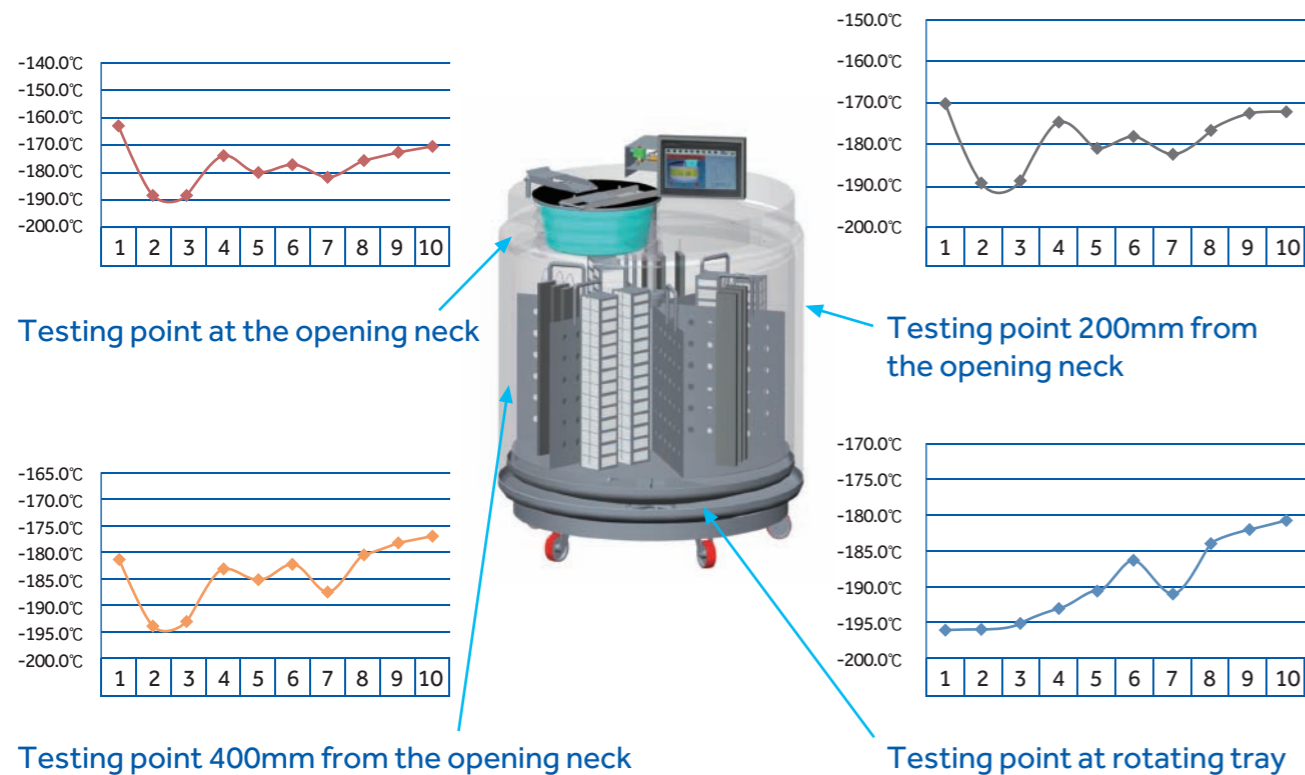


Small self-pressurized liquid nitrogen supply system suitable for research institutes dealing with fewer samples.

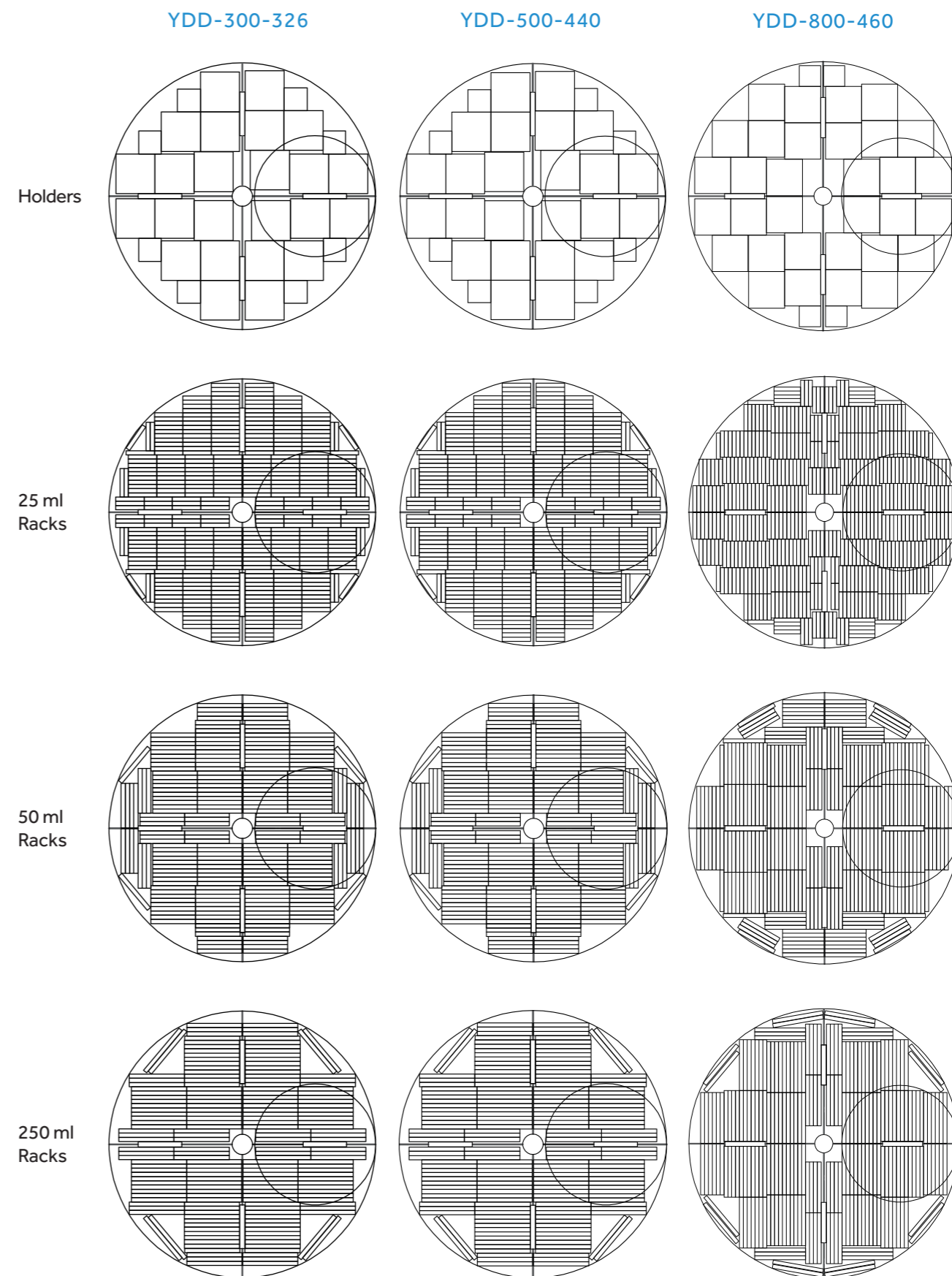


Temperature Test Graph

10 times testing data within 5 days



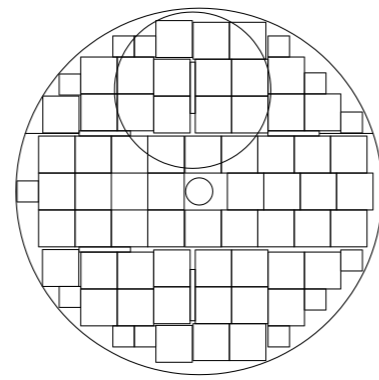
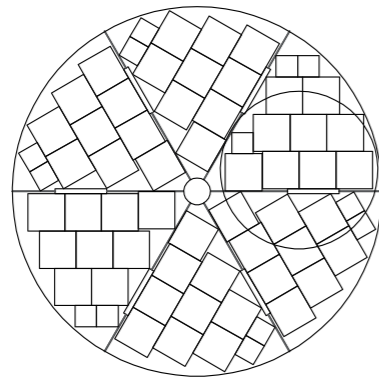
Square Canister&Racks Layout



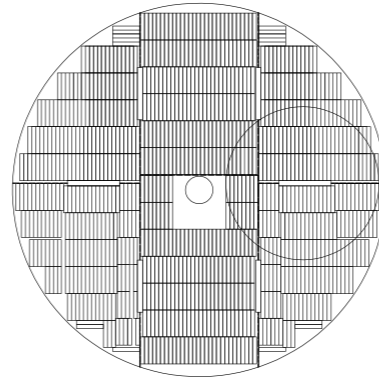
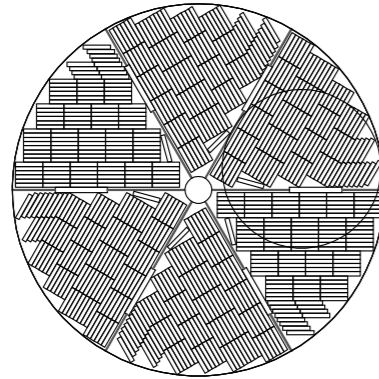
YDD-1000/1500-610

YDD-1800-610

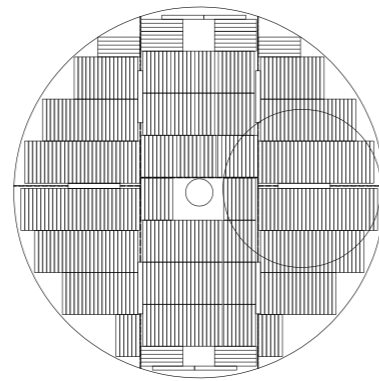
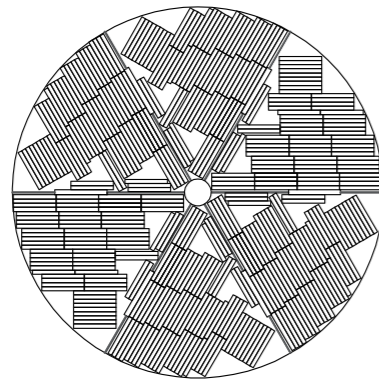
Holders



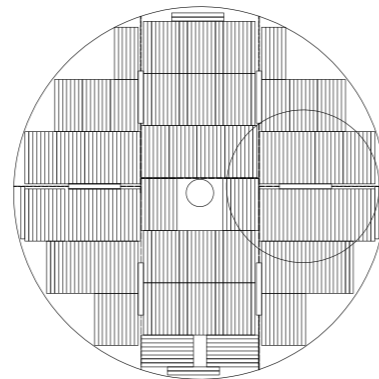
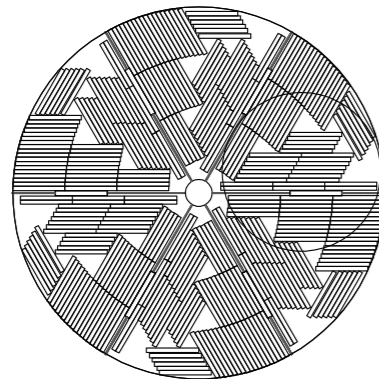
25 ml Racks



50 ml Racks



250 ml Racks



Technical Parameters

| Model | YDD-300-326 | YDD-500-440 | YDD-800-460 | YDD-1000-610 | YDD-1500-610 | YDD-1800-610 |
|--|-------------|-------------|-------------|--------------|--------------|--------------|
| Maximum Storage Capacity | | | | | | |
| 2 ml Vials (Internal Thread) | 13000 | 26000 | 42900 | 58500 | 76050 | 94875 |
| Freeze Rack (100 wells) | 12 | 24 | 32 | 54 | 54 | 60 |
| Freeze Rack (25 wells) | 4 | 8 | 4 | 18 | 18 | 13 |
| Layers of each rack | 10 | 10 | 13 | 10 | 13 | 15 |
| 0.5 ml Vials (Internal Thread) | 18200 | 33800 | 56100 | 81900 | 99450 | 126500 |
| Freeze Rack (100 wells) | 12 | 24 | 32 | 54 | 54 | 60 |
| Freeze Rack (25 wells) | 4 | 8 | 4 | 18 | 18 | 13 |
| Layers of each rack | 14 | 13 | 17 | 14 | 17 | 20 |
| Performance | | | | | | |
| Volume of LN ₂ (L) | 280 | 470 | 675 | 895 | 1316 | 1520 |
| Volume of LN ₂ under the tray (L) | 55 | 80 | 135 | 265 | 300 | 320 |
| Dimensions | | | | | | |
| Inside Neck Diameter (MM) | 326 | 440 | 460 | 610 | 610 | 610 |
| Height (MM) | 1180 | 1160 | 1435 | 1360 | 1570 | 1680 |
| Operating Height (MM) | 1180 | 1160 | 1110 | 1060 | 1070 | 1080 |
| Outside Diameter (MM) | 870 | 1080 | 1180 | 1565 | 1565 | 1565 |
| Door Width Requirements (MM) | 1000 | 1200 | 1300 | 1700 | 1700 | 1700 |
| Empty Weight (KG) | 219 | 328 | 441 | 733 | 840 | 925 |
| Gross Weight (KG) | 490 | 771 | 1089 | 1627 | 2127 | 2389 |

Blood bag capacity

| | Total No. of Bags | Rack | No. of Layers | No. of Racks | Total No. of Bags | Rack | No. of Layers | No. of Racks | Total No. of Bags | Rack | No. of Layers | No. of Racks | Total No. of Bags | Rack | No. of Layers | No. of Racks | Total No. of Bags | Rack | No. of Layers | No. of Racks |
|--------|-------------------|------|---------------|--------------|-------------------|------|---------------|--------------|-------------------|------|---------------|--------------|-------------------|------|---------------|--------------|-------------------|------|---------------|--------------|
| 25 ml | 1272 | 6 | 212 | 2376 | 6 | 396 | 3360 | 7 | 480 | 4716 | 6 | 786 | 5502 | 7 | 786 | 7758 | 9 | 862 | | |
| 50 ml | 792 | 6 | 132 | 1416 | 6 | 236 | 2016 | 7 | 288 | 2916 | 6 | 486 | 3402 | 7 | 486 | 4905 | 9 | 545 | | |
| 250 ml | 288 | 3 | 96 | 552 | 3 | 184 | 944 | 4 | 236 | 1560 | 4 | 390 | 1950 | 5 | 390 | 2095 | 5 | 419 | | |

Haier Liquid Nitrogen Storage System

Medical Series

5 Year Vacuum Warranty

Cryobox Storage

High Thermal Efficiency

Liquid and Vapour

Durability

Auto Fill

Security



Medical Series



Introduction

Haier Liquid Nitrogen Storage System Medical Series features low LN₂ consumption and relatively small footprint for medium capacity sample storage.

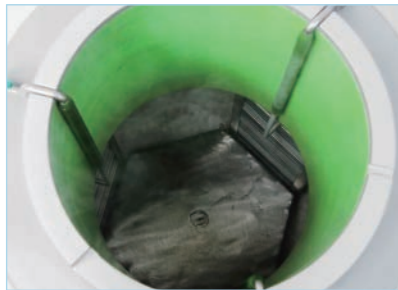
Key Features

- 5 models from 2400 to 6000 cryovial capacity
- Heavy duty lockable enclosure offers excellent security
- Compatible with all major cryobox brands
- Durable aluminium construction
- Temperature data-logging monitoring available
- Liquid or vapour phase option available
- High thermal efficiency
- 5 year vacuum warranty
- Ultra-low evaporative Losses

Product Advantages

ULT Storage with Extremely Low LN₂ Evaporation

Freezer racks are in the ultra-low temperature environment with extremely low LN₂ evaporation. Even stored in vapor phase, the temperature will be below -190°C for a long time.



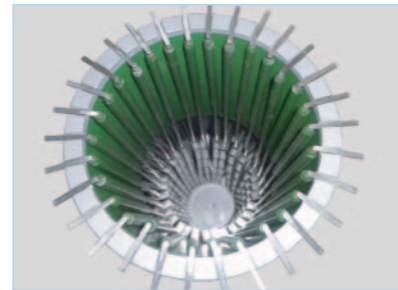
Advanced Vacuum Technology and Superinsulation Technology

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



Compatible for Blood Bag Storage

According to users' needs, Medical Series can be adapted to LN₂ tanks for temporary storage of blood bags before transferred to larger scale LN₂ storage.



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 |
|--------------------------------------|------------|--------------|------------|--------------|-------------|---------------|-------------|---------------|-------------|---------------|
| Maximum Storage Capacity | | | | | | | | | | |
| 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 |
| Performance | | | | | | | | | | |
| Volume of LN ₂ (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 |
| Dimensions | | | | | | | | | | |
| 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 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

| | | |
|-----------------------|------------------------|-------------------------------|
| Trolley | Square Rack | Cryogenic Box |
| 216 Diameter Lock Cap | 5 ml Customized Holder | 5 ml Customized Cryogenic Box |



Auto-Refill System

Auto-refill system is particularly suitable for vapor phase storage. For liquid phase storage, it can also facilitate users' operations by avoiding frequent refills.

The auto-refill system continuously monitors the inside temperature through ZTC-100B/100C Level Monitor, and automatically controls inlet valve to replenish LN₂. Although less economical, it provides accurate control and ensures safety storage for over 8 weeks.

Level Monitor

Liquid level monitor continuously and reliably monitors the temperature inside the tank and informs users to refill LN₂. It is suitable for institutes that require long time cryopreservation.

Three models (ZTC-100A/100B/100C) are available. The monitor offers real-time temperature display and audible/visual alarms for high temperature, sensor failure, and low liquid level.



Haier Liquid Nitrogen Storage System

LAB 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



LAB Series



Introduction

Widely used in laboratories around the world.

Key Features

- 5 models, from 30 litres to 50 litres capacity
- Heavy duty lockable enclosure offers excellent security
- Strong, lightweight aluminium construction
- Dual handles
- Temperature data-logging monitoring available
- Roller bases available
- High thermal efficiency
- 5 year vacuum warranty
- Ultra-low evaporative losses

Product Advantages

Low LN₂ consumption and small storage capacity

Haier LAB Series Liquid Nitrogen Storage System features low LN₂ consumption and small storage capacity for laboratory applications. The light-weighted tanks require smaller space while provide efficient small capacity cryogenic storage.

Advanced Vacuum Technology and Super-insulation Technology

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



Five Models Available

LAB Series offers five models with different capacity from 600, 750 to 900 standard 2 ml cryovials. All models are supplied with stainless steel holders and cryogenic boxes.

Technical Parameters

| Model | YDS-30-125-F | YDS-30B-125-F | YDS-35-125-F | YDS-35B-125-F | YDS-47-127-F | YDS-50B-125-F |
|--------------------------------------|--------------|---------------|--------------|---------------|--------------|---------------|
| Maximum Storage Capacity | | | | | | |
| No. of holders | 6 | 6 | 6 | 6 | 6 | 6 |
| 1.2&2 ml Cryovials (25 per box) | 600 | 600 | 750 | 750 | 900 | 900 |
| No. of boxes in (holder) | 4 | 4 | 5 | 5 | 6 | 6 |
| Performance | | | | | | |
| Volume of LN ₂ (L) | 31.5 | 31.5 | 35 | 35 | 47 | 50 |
| Static Evaporation* (L/Day) | 0.28 | 0.28 | 0.29 | 0.35 | 0.33 | 0.37 |
| Working Volume | 31.5 | 31.5 | 35 | 35 | 47 | 50 |
| Duration of Normal Operation** (Day) | 71 | 71 | 76 | 63 | 90 | 85 |
| Dimensions | | | | | | |
| Opening Diameter(MM) | 125 | 125 | 125 | 125 | 127 | 125 |
| Height(MM) | 659 | 659 | 700 | 700 | 753 | 753 |
| Outside Diameter(MM) | 461 | 461 | 461 | 461 | 461 | 461 |
| Empty Weight(KG) | 14.3 | 14.3 | 14.5 | 14.8 | 15.4 | 21 |
| Gross Weight(KG) | 38.9 | 38.9 | 43.2 | 43.5 | 53.9 | 62 |

* 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



Haier Liquid Nitrogen Storage System

BIO Series

Numbered Index Canister Locations

High Capacity

High Thermal Efficiency

5 Year Vacuum Warranty

Extended Hold Time

LN₂ Dispenser

Straws

Lockable

Roller Bases

BIO Series



Introduction

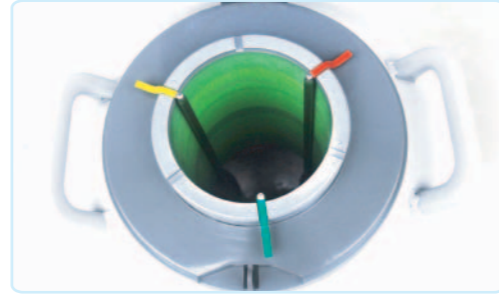
BIO Series provides two cryopreservation solutions for long-term static storing and transporting of biological samples.

Key Features

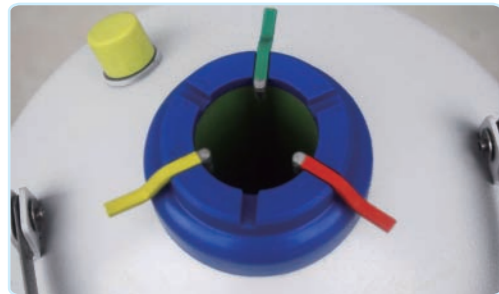
- Strong and lightweight aluminium construction
- Heavy duty lockable enclosure offers excellent security
- Numbered index location points for canisters
- Straw storage
- LN₂ dispense available
- Roller bases available
- High thermal efficiency
- 5 year vacuum warranty
- Ultra-low evaporative losses

Product Advantages

Narrow neck design and excellent thermal conductivity reduces evaporation loss of liquid nitrogen for extended storage time.



Large-capacity models have wider necks for easier access to biological samples.



Long-term cryopreservation models have narrower necks for better thermal conductivity.

28 models, capacities range from 1 to 50 liters.

Technical Parameters

| Model | YDS-2-30 | YDS-2-35 | YDS-3 | YDS-6 | YDS-10 | YDS-10-80 | |
|------------------|---|----------|-------|-------|--------|-----------|-------|
| Maximum Capacity | No. of Canister | 3 (3) | 3 (3) | 6 (3) | 6 (3) | 6 (3) | 6 (3) |
| | No. of Straws (Single Layer) (0.5ml each holder) | 90 | 90 | 792 | 792 | 792 | 2040 |
| | No. of Straws (Single Layer) (0.25ml each holder) | 204 | 204 | 1788 | 1788 | 1788 | 4554 |
| | No. of Straws (Double Layer) (0.5ml each holder) | — | — | — | — | — | — |
| | No. of Straws (Double Layer) (0.25ml each holder) | — | — | — | — | — | — |
| Performance | Volume of LN ₂ (L) | 2 | 2 | 3.15 | 6 | 10 | 10 |
| | Static Evaporation* (L/Day) | 0.06 | 0.06 | 0.10 | 0.10 | 0.10 | 0.18 |
| | Duration of Normal Operation** (Day) | 21 | 21 | 20 | 38 | 63 | 35 |
| Dimensions | Opening Diameter(MM) | 30 | 35 | 50 | 50 | 50 | 80 |
| | Height(MM) | 378 | 378 | 429 | 476 | 536 | 540 |
| | Outside Diameter(MM) | 224 | 224 | 224 | 300 | 300 | 300 |
| | Canister Outside Diameter (MM) | 19 | 19 | 38 | 38 | 38 | 63 |
| | Outside Height(MM) | 120 | 120 | 120 | 120 | 120 | 120 |
| | Empty Weight(KG) | 2.9 | 2.9 | 3.5 | 5 | 6.3 | 6.5 |
| | Gross Weight(KG) | 4.5 | 4.5 | 6 | 9.9 | 14.5 | 14.7 |

| Model | YDS-10-125 | YDS-13 | YDS-15 | YDS-15-125 | YDS-20 | YDS-30 | |
|------------------|---|--------|--------|------------|--------|---------|---------|
| Maximum Capacity | No. of Canister | 1 (0) | 6 (3) | 6 (3) | 1 (0) | 6 (3) | 6 (3) |
| | No. of Straws (Single Layer) (0.5ml each holder) | — | — | 792 | — | 792 | 792 |
| | No. of Straws (Single Layer) (0.25ml each holder) | — | — | 1788 | — | 1788 | 1788 |
| | No. of Straws (Double Layer) (0.5ml each holder) | 1508 | 1284 | — | 1508 | 1284 | 1284 |
| | No. of Straws (Double Layer) (0.25ml each holder) | 3324 | 2832 | — | 3324 | 2832 | 2832 |
| Performance | Volume of LN ₂ (L) | 10 | 13 | 15 | 15 | 20 | 30 |
| | Static Evaporation* (L/Day) | 0.30 | 0.10 | 0.10 | 0.30 | 0.10 | 0.11 |
| | Duration of Normal Operation** (Day) | 21 | 82 | 94 | 31 | 126 | 172 |
| Dimensions | Opening Diameter(MM) | 125 | 50 | 50 | 125 | 50 | 50 |
| | Height(MM) | 546 | 610 | 575 | 585 | 656 | 655 |
| | Outside Diameter(MM) | 300 | 310 | 394 | 394 | 394 | 461 |
| | Canister Outside Diameter (MM) | 97 | 38 | 38 | 97 | 38 | 38 |
| | Outside Height(MM) | 276 | 276 | 120 | 276 | 120/276 | 120/276 |
| | Empty Weight(KG) | 6.9 | 6.6 | 8.2 | 10.2 | 11.7 | 12 |
| | Gross Weight(KG) | 15.1 | 17.3 | 20.5 | 22.5 | 28.1 | 36.6 |

| Model | YDS-30-80 | YDS-30-125 | YDS-35 | YDS-35-80 | YDS-35-125 | YDS-47-127 | |
|------------------|---|------------|---------|-----------|------------|------------|---------|
| Maximum Capacity | No. of Canister | 6 (3) | 6 (3) | 6 (3) | 6 (3) | 6 (3) | |
| | No. of Straws (Single Layer) (0.5ml each holder) | 2244 | 5124 | 792 | 2244 | 5124 | 5124 |
| | No. of Straws (Single Layer) (0.25ml each holder) | 5022 | 11952 | 1788 | 5022 | 11952 | 11952 |
| | No. of Straws (Double Layer) (0.5ml each holder) | 3624 | 9048 | 1284 | 3624 | 9048 | 9048 |
| | No. of Straws (Double Layer) (0.25ml each holder) | 8460 | 19944 | 2832 | 8460 | 19944 | 19944 |
| Performance | Volume of LN ₂ (L) | 30 | 30 | 35 | 35 | 35 | 47 |
| | Static Evaporation* (L/Day) | 0.18 | 0.28 | 0.11 | 0.19 | 0.29 | 0.33 |
| | Duration of Normal Operation** (Day) | 105 | 67 | 200 | 116 | 76 | 90 |
| Dimensions | Opening Diameter(MM) | 80 | 125 | 50 | 80 | 125 | 127 |
| | Height(MM) | 655 | 659 | 695 | 698 | 700 | 754 |
| | Outside Diameter(MM) | 461 | 461 | 461 | 461 | 461 | 461 |
| | Canister Outside Diameter (MM) | 63 | 97 | 38 | 63 | 97 | 97 |
| | Outside Height(MM) | 120/276 | 120/276 | 120/276 | 120/276 | 120/276 | 120/276 |
| | Empty Weight(KG) | 12.4 | 14.3 | 14 | 14.2 | 14.5 | 15.4 |
| | Gross Weight(KG) | 37 | 38.9 | 42.7 | 42.9 | 43.2 | 54 |

| Model | YDS-20B | YDS-30B | YDS-30B-80 | YDS-30B-125 | YDS-35B |
|------------------|---|---------|------------|-------------|---------|
| Maximum Capacity | No. of Canister | 6 (3) | 6 (3) | 6 (3) | 6 (3) |
| | No. of Straws (Single Layer) (0.5ml each holder) | 792 | 792 | 2244 | 5124 |
| | No. of Straws (Single Layer) (0.25ml each holder) | 1788 | 1788 | 5022 | 11952 |
| | No. of Straws (Double Layer) (0.5ml each holder) | 1284 | 1284 | 3624 | 9048 |
| | No. of Straws (Double Layer) (0.25ml each holder) | 2832 | 2832 | 8460 | 19944 |
| Performance | Volume of LN ₂ (L) | 20 | 30 | 30 | 35 |
| | Static Evaporation* (L/Day) | 0.18 | 0.17 | 0.23 | 0.34 |
| | Duration of Normal Operation** (Day) | 70 | 111 | 82 | 56 |
| Dimensions | Opening Diameter(MM) | 50 | 50 | 80 | 125 |
| | Height(MM) | 656 | 656 | 656 | 659 |
| | Outside Diameter(MM) | 394 | 461 | 461 | 461 |
| | Canister Outside Diameter(MM) | 38 | 38 | 63 | 97 |
| | Outside Height(MM) | 120/276 | 120/276 | 120/276 | 120/276 |
| | Empty Weight(KG) | 11.5 | 12.5 | 13 | 14.6 |
| | Gross Weight(KG) | 27.9 | 37.1 | 37.6 | 39.2 |

| Model | YDS-35B-80 | YDS-35B-125 | YDS-50B | YDS-50B-80 | YDS-50B-125 |
|------------------|---|-------------|---------|------------|-------------|
| Maximum Capacity | No. of Canister † | 6 (3) | 6 (3) | 6 (3) | 6 (3) |
| | No. of Straws (Single Layer) (0.5ml each holder) | 2244 | 5124 | 792 | 2244 |
| | No. of Straws (Single Layer) (0.25ml each holder) | 5022 | 11952 | 1788 | 5022 |
| | No. of Straws (Double Layer) (0.5ml each holder) | 3624 | 9048 | 1284 | 3624 |
| | No. of Straws (Double Layer) (0.25ml each holder) | 8460 | 19944 | 2832 | 8460 |
| Performance | Volume of LN ₂ (L) | 35 | 35 | 50 | 50 |
| | Static Evaporation* (L/Day) | 0.23 | 0.35 | 0.20 | 0.26 |
| | Duration of Normal Operation** (Day) | 96 | 63 | 157 | 121 |
| Dimensions | Opening Diameter(MM) | 80 | 125 | 50 | 80 |
| | Height(MM) | 698 | 700 | 770 | 766 |
| | Outside Diameter(MM) | 461 | 461 | 461 | 461 |
| | Canister Outside Diameter (MM) | 63 | 97 | 38 | 63 |
| | Outside Height(MM) | 120/276 | 120/276 | 120/276 | 120/276 |
| | Empty Weight(KG) | 14.3 | 14.8 | 19.3 | 20.1 |
| | Gross Weight(KG) | 43 | 43.5 | 60.3 | 61.1 |

† A(B): A for maximum number of canisters, B for number of canisters in standard configuration

* 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.

Cryo Tube Clamp Parameter

| Canister Parameters | 120 mm Long, 38 mm diameter (50-diameter storage tank) | | | | 276 mm Long, 38 mm diameter (50-diameter storage tank) | | | |
|---------------------|--|--------------------------|----------------------------|--------------------------------|---|--------------------------|----------------------------|--------------------------------|
| | No. of holders in a canister | No. of vials in a holder | No. of vials in a canister | No. of vials in a storage tank | No. of holders in a canister | No. of vials in a holder | No. of vials in a canister | No. of vials in a storage tank |
| Cryovial Parameters | | | | | | | | |
| 0.5 ml | 3 | 3 | 9 | 54 | 3 | 6 | 18 | 108 |
| 1.5 ml | 3 | 3 | 9 | 54 | 3 | 6 | 18 | 108 |
| 2.0 ml | 3 | 3 | 9 | 54 | 3 | 6 | 18 | 108 |
| 3.0 ml | 3 | 3 | 9 | 54 | 3 | 6 | 18 | 108 |
| 5.0 ml | 3 | 1 | 3 | 18 | 3 | 3 | 9 | 54 |
| Canister Parameters | 120 mm Long, 63 mm diameter (80-diameter storage tank) | | | | 276 mm Long, 63 mm diameter (80-diameter storage tank) | | | |
| | No. of holders in a canister | No. of vials in a holder | No. of vials in a canister | No. of vials in a storage tank | No. of holders in a canister | No. of vials in a holder | No. of vials in a canister | No. of vials in a storage tank |
| Cryovial Parameters | | | | | | | | |
| 0.5 ml | 11 | 3 | 33 | 198 | 11 | 6 | 66 | 396 |
| 1.5 ml | 11 | 3 | 33 | 198 | 11 | 6 | 66 | 396 |
| 2.0 ml | 11 | 3 | 33 | 198 | 11 | 6 | 66 | 396 |
| 3.0 ml | 11 | 3 | 33 | 198 | 11 | 6 | 66 | 396 |
| 5.0 ml | 11 | 1 | 11 | 66 | 11 | 3 | 33 | 198 |
| Canister Parameters | 120 mm Long, 97mm diameter (125-diameter storage tank) | | | | 276 mm Long, 97 mm diameter (125-diameter storage tank) | | | |
| | No. of holders in a canister | No. of vials in a holder | No. of vials in a canister | No. of vials in a storage tank | No. of holders in a canister | No. of vials in a holder | No. of vials in a canister | No. of vials in a storage tank |
| Cryovial Parameters | | | | | | | | |
| 0.5 ml | 27 | 3 | 81 | 486 | 27 | 6 | 162 | 972 |
| 1.5 ml | 27 | 3 | 81 | 486 | 27 | 6 | 162 | 972 |
| 2.0 ml | 27 | 3 | 81 | 486 | 27 | 6 | 162 | 972 |
| 3.0 ml | 27 | 3 | 81 | 486 | 27 | 6 | 162 | 972 |
| 5.0 ml | 27 | 1 | 27 | 162 | 27 | 3 | 81 | 486 |

Accessories



Haier Liquid Nitrogen Storage System

Biotrek Series

3 Year Vacuum Warranty

Vapour Phase Storage

Rugged And Durable

Security

Dry Shippers

No LN₂ Spillage

Cryo absorbant

Durability



Biotrek Series



Introduction

Biotrek Series is designed for safe sample transportation under cryogenic conditions (vapor phase storage, temperature under -190°C). As the risk of LN₂ release is avoided, it is suitable for short-haul air transportation.

Key Features

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

Product Advantages

Liquid Nitrogen Adsorption

Adsorbent materials are used to absorb and retain LN₂ for safe transport. There will not be spillover of liquid nitrogen even when the tank is capsized.

Five Models Available

Biotrek Series offers five models of shippers with different capacities for the storage of straws and 2 ml vials.

Stainless Steel Mesh

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

Complete Accessories Set

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



Technical Parameters

| Model | YDH-3 | YDH-6-80 | YDH-8-80 | YDH-10-125 | YDH-10-125-F | YDS-25-216-F |
|--------------------------------------|-------|----------|----------|------------|--------------|--------------|
| Maximum Storage Capacity | | | | | | |
| No. of Canister | 1 | 1 | 1 | 1 | 1 | 1 |
| No. of Straws (0.5ml / EA) | 132 | 820 | 820 | 1508 | — | — |
| No. of Straws (0.25ml / EA) | 298 | 1780 | 1780 | 3324 | — | — |
| No. 2.0 ml Cryovials (25 / box) | — | — | — | — | 75 | 500 |
| No. of boxes in (2ml per holder) | — | — | — | — | 3 | 5 |
| Performance | | | | | | |
| Volume of LN ₂ (L) | 3 | 6 | 8 | 10 | 10 | 25 |
| Static Evaporation* (L/Day) | 0.21 | 0.40 | 0.40 | 1.25 | 1.25 | 0.89 |
| Duration of Normal Operation** (Day) | 14 | 15 | 18 | 8 | 8 | 10 |
| Dimensions | | | | | | |
| Opening Diameter(MM) | 50 | 80 | 80 | 125 | 125 | 216 |
| Height(MM) | 428 | 481 | 581 | 546 | 546 | 705 |
| Outside Diameter(MM) | 224 | 300 | 300 | 300 | 300 | 394 |
| Canister Outside Diameter(MM) | 38 | 63 | 63 | 97 | — | — |
| Outside Height(MM) | 120 | 120 | 120 | 276 | — | — |
| Empty Weight(KG) | 3.5 | 5 | 5.8 | 6.9 | 6.9 | 15 |
| Gross Weight(KG) | 6 | 10 | 12 | 15 | 15 | 35 |

* 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.

Haier Liquid Nitrogen Storage System

Cryostor series

5 Year Vacuum Warranty

Decant Valves

Liquid Storage

Stainless Steel Construction

Muffler

Pressure Raising

Security

Relief Valve



Cryostor Series



Introduction

Cryostor Series is the latest innovation for high-performance liquid phase cryopreservation. The container uses the pressure generated from vaporization of small amount liquid nitrogen to discharge LN₂ for other containers. Storage capacities range from 5 to 500 liters.

Key Features

- Ten models with capacities range from 5 to 500 liters.
- All models are equipped with safety valves, 200 L and above models have additional rupture disc.
- All welded stainless steel construction
- Rotary ring construction
- Labelled valves for easy identification.
- 5 year vacuum warranty

Product Advantages

Stainless Steel Structure

Stainless steel structure can withstand the most demanding environment and ensure long-lasting security. It also provides reduced evaporation loss rate, compared with conventional welding insulation tanks.

A variety of accessories

Each Cryostor Series model is equipped with a pressure valve, a drain valve, a relief valve, and a pressure gauge. For 200 L and above models also apply safety structures such as rupture discs and silencers.

Casters

All models have four casters for better mobility and convenient use in different occasions.



Self-pressurized LN₂ Backup System

Self-pressurized LN₂ back up system is used for Cyro freezers. In extreme cases, such as power outage, system failure and so on, the backup system automatically opens cryogenic solenoid valves and injects liquid nitrogen to ensure the set temperature and protect samples.

Compared to traditional high pressure cylinder backup system, the self-pressurized LN₂ backup system has the following advantages:

- Safer: under required operating condition, self-pressurized LN₂ backup system has lower working pressure and hence safer than traditional high-pressure backup system.
- More Economical: self-pressurized liquid nitrogen tank has better insulation performance, lower evaporation losses and longer working duration with the same amount of LN₂.
- More convenient: self-pressurized LN₂ backup system combines the controllers with self-pressurized components and greatly reduces pipelines and cables used in traditional backup systems.
- More stable: due to the reduction of intermediate pipe connections, impact of environmental factors on the system is reduced.
- Cheaper: self-pressurized LN₂ backup system costs less than traditional backup systems.



Technical Parameters

| Model | YDZ-5 | YDZ-15 | YDZ-30 | YDZ-50 | YDZ-100 |
|--------------------------------|--|--------|--------|--------|---------|
| Performance | | | | | |
| Volume of LN ₂ (L) | 5 | 15 | 30 | 50 | 100 |
| Static Evaporation* (L/Day) | 0.15 | 0.38 | 0.75 | 1 | 1.3 |
| LN ₂ output (L/Min) | 2 | 2 | 3 | 3 | 4 |
| Dimensions | | | | | |
| Height(MM) | 510 | 750 | 879 | 991 | 1185 |
| Outside Diameter(MM) | 329 | 404 | 454 | 506 | 606 |
| Empty Weight(KG) | 15 | 23 | 32 | 54 | 75 |
| Gross Weight(KG) | 19.1 | 35.3 | 56.6 | 95.0 | 157.0 |
| Pressure Parameters (MPA) | 1. Standard working pressure 0.05, 2. Maximum working pressure 0.09, 3. First stage safety valve relief pressure 0.099, 4. Second stage safety valve release pressure 0.15, 5. Pressure gauge range 0-0.25 | | | | |

| Model | YDZ-150 | YDZ-175 | YDZ-200 | YDZ-240 | YDZ-300 | YDZ-500 |
|--------------------------------|--|---------|---------|---------|---------|---------|
| Performance | | | | | | |
| LN ₂ capacity (L) | 150 | 175 | 200 | 240 | 300 | 500 |
| Static Evaporation* (L/Day) | 1.95 | 2.1 | 2.4 | 2.9 | 3.3 | 5.5 |
| LN ₂ output (L/Min) | 6 | 6 | 8 | 8 | 8 | 10 |
| Dimensions | | | | | | |
| Height(MM) | 1188 | 1298 | 1265 | 1350 | 1459 | 1576 |
| Outside Diameter(MM) | 706 | 706 | 758 | 758 | 857 | 1008 |
| Empty Weight(KG) | 102 | 120 | 130 | 148 | 202 | 255 |
| Gross Weight(KG) | 225 | 264 | 294 | 366 | 448 | 665 |
| Pressure Parameters (MPA) | 1. Standard working pressure 0.05, 2. Maximum working pressure 0.09, 3. First stage safety valve relief pressure 0.099, 4. Second stage safety valve release pressure 0.15, 5. Pressure gauge range 0-0.25, 6. Rupture disc burst pressure 0.47. | | | | | |

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



Product List


| Model | Description | Accessories | |
|---------------|----------------------------------|--|--|
| | | Standard | Optional |
| YDS-2-30 | 2L,neck opening diameter 30mm | 3*120mm canister,jacket | Locking cover SG-30 |
| YDS-2-35 | 2L,neck opening diameter 35mm | 3*120mm canister,jacket | Locking cover SG-35 |
| YDS-3 | 3L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3 canister,locking cover SG-50 |
| YDS-6 | 6L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3 canister,locking cover SG-50 |
| YDS-10 | 10L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3 canister,locking cover SG-50 |
| YDS-10-80 | 10L,neck opening diameter 80mm | 3*120mm canister,jacket | Additional 3 canister,locking cover SG-80 |
| YDS-10-125 | 10L,neck opening diameter 125mm | Jacket | 1*276mm canister,locking cover SG-125 |
| YDS-13 | 13L,neck opening diameter 50mm | 3*276mm canister,jacket | Additional 3*276mm canister,locking cover SG-50 |
| YDS-15 | 15L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3*120mm canister,locking cover SG-50 |
| YDS-15-125 | 15L,neck opening diameter 125mm | Jacket | 1 *120mm canister,locking cover SG-125 |
| YDS-20 | 20L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose,locking cover SG-50,trolley/caster base |
| YDS-30 | 30L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose,locking cover SG-50,trolley/caster base |
| YDS-30-80 | 30L,neck opening diameter 80mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose,locking cover SG-80,trolley/caster base |
| YDS-30-125 | 30L,neck opening diameter 125mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose,locking cover SG-125,trolley/caster base |
| YDS-30-125-F | 30L,neck opening diameter 125mm | 6 square rack with 4 layers,5*5 cryogenic box,jacket | Locking cover SG-125,trolley/caster base |
| YDS-35 | 35L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose,locking cover SG-50,trolley/caster base |
| YDS-35-80 | 35L,neck opening diameter 80mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose,locking cover SG-80,trolley/caster base |
| YDS-35-125 | 35L,neck opening diameter 125mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose,locking cover SG-125,trolley/caster base |
| YDS-35-125-F | 35L,neck opening diameter 125mm | 6 square rack with 5 layers,5*5 cryogenic box,jacket | Locking cover SG-125,trolley/caster base |
| YDS-47-127 | 47L,neck opening diameter 127mm | 3 *120mm canister,jacket | Additional 3 canister,276mm canister can choose,locking cover SG-125,trolley/caster base |
| YDS-47-127-F | 47L,neck opening diameter 127mm | 6 square rack with 6 layers,5*5 cryogenic box,jacket | Locking cover SG-125,trolley/caster base |
| YDS-65-216 | 65L,neck opening diameter 216mm | / | Locking cover SG-216,trolley/caster base |
| YDS-65-216-F | 65L,neck opening diameter 216mm | 6 square rack with 4 layers,9*9 cryogenic box | Locking cover SG-216,trolley/caster base |
| YDS-95-216 | 95L,neck opening diameter 216mm | / | Locking cover SG-216,trolley/caster base |
| YDS-95-216-F | 95L,neck opening diameter 216mm | 6 square rack with 5 layers,9*9 cryogenic box | Locking cover SG-216,trolley/caster base |
| YDS-115-216 | 115L,neck opening diameter 216mm | / | Locking cover SG-216,trolley/caster base |
| YDS-115-216-F | 115L,neck opening diameter 216mm | 6 square rack with 6 layers,9*9 cryogenic box | Locking cover SG-216,trolley/caster base |
| YDS-140-216 | 140L,neck opening diameter 216mm | / | Locking cover SG-216,trolley/caster base |
| YDS-140-216-F | 140L,neck opening diameter 216mm | 6 square rack with 8 layers,9*9 cryogenic box | Locking cover SG-216,trolley/caster base |
| YDS-175-216 | 175L,neck opening diameter 216mm | / | Locking cover SG-216,trolley/caster base |
| YDS-175-216-F | 175L,neck opening diameter 216mm | 6 square rack with 10 layers,9*9 cryogenic box | Locking cover SG-216,trolley/caster base |

Aluminum Alloy Series For Storage

| Model | Description | Accessories | |
|---------------|---|--|---|
| | | Standard | Optional |
| YDS-20B | 20L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose, locking cover SG-50,trolley/caster base |
| YDS-30B | 30L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose, locking cover SG-50,trolley/caster base |
| YDS-30B-80 | 20L,neck opening diameter 80mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose, locking cover SG-80,trolley/caster base |
| YDS-30B-125 | 30L,neck opening diameter 125mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose, locking cover SG-125,trolley/caster base |
| YDS-30B-125-F | 30L,neck opening diameter 125mm | 6 square rack with 4 layers, 5*5 cryogenic box,jacket | Locking cover SG-125,trolley/caster base |
| YDS-35B | 35L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose, locking cover SG-50,trolley/caster base |
| YDS-35B-80 | 35L,neck opening diameter 80mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose, locking cover SG-80,trolley/caster base |
| YDS-35B-125 | 35L,neck opening diameter 125mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose, locking cover SG-125,trolley/caster base |
| YDS-35B-125-F | 35L,neck opening diameter 125mm | 6 square rack with 5 layers, 5*5 cryogenic box,jacket | Locking cover SG-125,trolley/caster base |
| YDS-50B | 50L,neck opening diameter 50mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose, locking cover SG-50,trolley/caster base |
| YDS-50B-80 | 50L,neck opening diameter 80mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose, locking cover SG-80,trolley/caster base |
| YDS-50B-125 | 50L,neck opening diameter 125mm | 3*120mm canister,jacket | Additional 3 canister,276mm canister can choose, locking cover SG-125,trolley/caster base |
| YDS-50B-125-F | 50L,neck opening diameter 125mm | 6 square rack with 6 layers, 5*5 cryogenic box,jacket | Locking cover SG-125,trolley/caster base |
| YDH-3 | 3L,neck opening diameter 50mm | 1*120mm canister,jacket | Locking cover SG-50 |
| YDH-6-80 | 6L,neck opening diameter 80mm | 1*120mm canister,jacket | Locking cover SG-80 |
| YDH-8-80 | 8L,neck opening diameter 80mm | 1*120mm canister,jacket | Locking cover SG-80 |
| YDH-10-125 | 10L,neck opening diameter 125mm | 1*276mm canister,jacket | Locking cover SG-125 |
| YDH-10-125-F | 10L,neck opening diameter 125mm | 1 square rack with 3 layers, 5*5 cryogenic box,jacket | / |
| YDH-25-216-F | 25L,neck opening diameter 216mm | 1 square rack with 5 layers, 9*9 cryogenic box,jacket | / |
| YDD-300-326 | 300L,neck opening diameter 326mm | / | Square rack,cryosmart monitoring system |
| YDD-500-440 | 500L,neck opening diameter 440mm | / | Square rack,cryosmart monitoring system |
| YDD-800-460 | 800L,neck opening diameter 460mm | / | Square rack,cryosmart monitoring system |
| YDD-1000-610 | 1000L,neck opening diameter 610mm | / | Square rack,cryosmart monitoring system |
| YDD-1500-610 | 1500L,neck opening diameter 610mm | / | Square rack,cryosmart monitoring system |
| YDD-1800-610 | 1800L,neck opening diameter 610mm | / | Square rack,cryosmart monitoring system |
| YDZ-5 | 5L | Transport castor,double safety valve system to ensure usage safety | / |
| YDZ-15 | 15L | Transport castor,double safety valve system to ensure usage safety | / |
| YDZ-30 | 30L | Transport castor,double safety valve system to ensure usage safety | / |
| YDZ-50 | 50L | Transport castor,double safety valve system to ensure usage safety | / |
| YDZ-100 | 100L | Transport castor,double safety valve system to ensure usage safety | / |
| YDZ-150 | 150L | Transport castor,double safety valve system to ensure usage safety | / |
| YDZ-175 | 175L | Transport castor,double safety valve system to ensure usage safety | / |
| YDZ-200 | 200L | Transport castor,three safety valve system to ensure usage safety | / |
| YDZ-240 | 240L, gas cylinder type (slim and tall) | Transport castor,three safety valve system to ensure usage safety | / |
| YDZ-300 | 300L | Transport castor,three safety valve system to ensure usage safety | / |
| YDZ-500 | 500L | Transport castor,three safety valve system to ensure usage safety | / |

| Accessories | Image | Model | Description |
|---------------|---|-----------|---|
| Cork |  | PS-30 | Suitable for LNC with neck opening diameter 30mm |
| | | PS-35 | Suitable for LNC with neck opening diameter 35mm |
| | | PS-50 | Suitable for LNC with neck opening diameter 50mm |
| | | PS-80 | Suitable for LNC with neck opening diameter 80mm |
| | | PS-125 | Suitable for LNC with neck opening diameter 125mm |
| | | PS-216 | Suitable for LNC with neck opening diameter 216mm |
| Locking Cover |  | SG-30 | Suitable for LNC with neck opening diameter 30mm |
| | | SG-35 | Suitable for LNC with neck opening diameter 35mm |
| | | SG-50 | Suitable for LNC with neck opening diameter 50mm |
| | | SG-80 | Suitable for LNC with neck opening diameter 80mm |
| | | SG-125 | Suitable for LNC with neck opening diameter 125mm |
| | | SG-216 | Suitable for LNC with neck opening diameter 216mm |
| Canister |  | TT-30D | Suitable for LNC with neck opening diameter 30mm, height is 120mm |
| | | TT-35D | Suitable for LNC with neck opening diameter 35mm, height is 120mm |
| | | TT-50D | Suitable for LNC with neck opening diameter 50mm, height is 120mm |
| | | TT-50S | Suitable for LNC with neck opening diameter 50mm, height is 276mm |
| | | TT-80D | Suitable for LNC with neck opening diameter 80mm, height is 120mm |
| | | TT-80S | Suitable for LNC with neck opening diameter 80mm, height is 276mm |
| | | TT-125D | Suitable for LNC with neck opening diameter 125mm, height is 120mm |
| | | TT-125S | Suitable for LNC with neck opening diameter 125mm, height is 276mm |
| Square Rack |  | FTT-4-55 | 4 layers,including 5*5 cryogenic box,suitable for YDS-30-125-F / YDS-30B-125-F |
| | | FTT-5-55 | 5 layers,including 5*5 cryogenic box,suitable for YDS-35-125-F / YDS-35B-125-F |
| | | FTT-6-55 | 6 layers,including 5*5 cryogenic box,suitable for YDS-50B-125-F / YDS-47-127-F |
| | | FTT-10-55 | 10 layers,including 5*5 cryogenic box,suitable for YDD-300-326 / YDD-500-440 / YDD-1000-610 |
| | | FTT-13-55 | 13 layers,including 5*5 cryogenic box,suitable for YDD-800-460 / YDD-1500-610 |
| | | FTT-15-55 | 15 layers,including 5*5 cryogenic box,suitable for YDD-1800-610 |
| | | FTT-4-99 | 4 layers,including 9*9 cryogenic box,suitable for YDS-65-216-F |
| | | FTT-5-99 | 5 layers,including 9*9 cryogenic box,suitable for YDS-95-216-F |
| | | FTT-6-99 | 6 layers,including 9*9 cryogenic box,suitable for YDS-115-216-F |
| | | FTT-8-99 | 8 layers,including 9*9 cryogenic box,suitable for YDS-140-216-F |
| | | FTT-10-99 | 10 layers,including 9*9 cryogenic box,suitable for YDS-175-216-F/YDD-300-326/YDD-500-440/YDD-1000-610 |
| | | FTT-13-99 | 13 layers,including 9*9 cryogenic box,suitable for YDD-800-460 / YDD-1500-610 |
| FTT-15-99 | 15 layers,including 9*9 cryogenic box,suitable for YDD-1800-610 | | |

| Accessories | Image | Model | Description |
|--------------------------------------|---|-----------|--|
| Cryo Tube Clip |  | DCGJ-3 | Suitable for 120mm height round canister, including cryo racks and plastic sleeve |
| | | DCGJ-6 | Suitable for 276mm height round canister, including cryo racks and plastic sleeve |
| Level Measuring Scale |  | YWC-600 | Suitable for aluminum alloy series LNC with capacity less than 20L |
| | | YWC-1000 | Suitable for aluminum alloy series LNC with capacity no less than 20L |
| Level Monitor |  | ZTC-100A | Suitable for aluminum alloy series LNC |
| | | ZTC-100B | Suitable for aluminum alloy series LNC, including low temperature magnetic valve |
| | | ZTC-100C | Suitable for aluminum alloy series LNC, including low temperature magnetic valve |
| | | Cryosmart | Suitable for stainless steel series LNC |
| Stainless Steel Trolley/-Caster Base |  | YSC-S | Suitable for aluminum alloy series LNC with capacity less than 50L |
| | | YSC-M | Suitable for aluminum alloy series LNC with capacity no less than 50L and neck opening diameter no less than 216mm |

| Accessories | Image | Model | Description | | |
|----------------|---|-----------|---|--|---|
| Cryogenic Rack |  | YDCJ-3 | 3 layers, can store 250ml blood bag, suitable for YDD-300-326 / YDD-500-440 | | |
| | | YDCJ-4 | 4 layers, can store 250ml blood bag, suitable for YDD-500-440 / YDD-800-460 / YDD-1000-610 / YDD-1500-610 | | |
| | | YDCJ-5-I | 5 layers, can store 50ml/25ml blood bag, suitable for YDS-175-216-F | | |
| | | YDCJ-5-II | 5 layers, can store 250ml blood bag, suitable for YDD-1800-610 | | |
| | | YDCJ-6 | 6 layers, can store 50ml/25ml blood bag, suitable for YDD-300-326 / YDD-500-440 / YDD-1000-610 | | |
| | | YDCJ-7 | 7 layers, can store 50ml /25ml blood bag, suitable for YDD-800-460 / YDD-1500-610 | | |
| | | YDCJ-8-II | 8 layers, can store 2ml cryo tube, 8 pcs for each layer, suitable for YDS-175-216-F | | |
| | | YDCJ-9 | 9 layers, can store 50ml /25ml blood bag, suitable for YDD-1800-610 | | |
| | | YDCJ-10 | 10 layers, can store 2ml cryo tube, 8 pcs for each layer, suitable for YDD-500-440 / YDD-800-460 | | |
| | | YDCJ-12 | 12 layers, can store 2ml cryo tube, 8 pcs for each layer, suitable for YDD-1000-460 / YDD-1500-610 / YDD-1800-610 | | |
| | | | | | Used to store 25ml, 50ml, 250ml blood bag |