# Introduction

CryoSmart Series liquid nitrogen container realizes real-time temperature and liquid level monitoring, remote monitoring, alarming and automatic backup the monitoring data in cold cloud platform. CryoSmart Series combine with the advanced manufacturing technology and intelligent monitoring technology to meet unique requirements of professional customers all over the world.

CryoSmart Series containers provide high efficiency of large capacity sample cryopreservation with light weight and small space occupying. It monitors the real time status of containers and notifies users once any issue occur ensuring stable running and samples storage security. Mainly apply to medical field and samples bank users who has demand for high-end liquid nitrogen containers.

CryoSmart Series completely solved the technological difficulties of electronics information technology and low power consumption technology in -190℃ low temperature application.

# CryoSmart Series

# Key Features

1. Intelligent temperature real time monitoring
2. Intelligent liquid level real time monitoring
3. Intelligent remote alarm
4. Running data intelligent backup
5. Low power consumption
6. Replaceable battery
7. Ultra less liquid nitrogen consumption
8. Innovative overall appearance
9. Dual-lock construction
10. 5 year vacuum warranty

# Products Details

### Steady and Plump Appearance

Professional industrial design, strong elements feature, plump line reflect the stable of device while ensuring the tank structure strength. Reasonable stiffener layouts make the tank more robust and straight.

1. Strong art element features
2. Reasonable stiffener layouts

## Professional Functional Design

Unique temperature/liquid level monitor and real-time alarm functions, real-time running data backup ensure more stable. Combining professional intelligent function tank createsperfect user experience.

3. Integrated OLED Intelligent connected functional module
4. Equipped with Intelligent connected locking lid

## Ergonomic Experience

Meet the operational needs of professional users and completely eliminate the inconvenience in use. Integrate ergonomics into the design to create overall first-class ergonomic experience.

5. Comfortable operational experience

## Perfect Details Design

Extreme demanding design requirement, adopting art processes and standards to carve products, every detail is crafted. Touching user hearts is our ultimate goal.

6. Art texture outer lid processing
7. Dual-lock stainless steel lock

# Products Details

Roller base

YSC-30-4W/

YSC-175-4W

# Technical Specification

| Model | CryoSmart 2400(/5) | CryoSmart 3000(/5) | CryoSmart 3600(/5) | CryoSmart 4800(/5) | CryoSmart 6000(/5) |
|---|---|---|---|---|---|
| Maximum storage capacity | | | | | |
| Square Canisters (EA) | 6 | 6 | 6 | 6 | 6 |
| 1.2&2ml Vials (100/box) | 2400 | 3000 | 3600 | 4800 | 6000 |
| Number of Boxes per Canister (EA) | 4 | 5 | 6 | 8 | 10 |
| 5ml Vials (36/box) | 648 | 864 | 1080 | 1296 | 1728 |
| Number of Boxes per Canister (5ML*EA) | 3 | 4 | 5 | 6 | 8 |
| Performance | | | | | |
| Liquid Nitrogen Capacity (L) | 65 | 95 | 115 | 140 | 175 |
| Static Evaporation (L/day)* | 0.79 | 0.81 | 0.83 | 0.87 | 0.87 |
| Capacity (L) | 55 | 85 | 105 | 130 | 165 |
| Working Duration (whole day)** | 44 | 66 | 80 | 94 | 126 |
| Unit Dimensions | | | | | |
| Neck Diameter (mm) | 216 | 216 | 216 | 216 | 216 |
| Overall Height (mm) | 710 | 726 | 796 | 910 | 1026 |
| External Diameter (mm) | 681 | 681 | 681 | 681 | 681 |
| Weight Empty (kg) | 27.5 | 34.5 | 38.5 | 42.5 | 55 |
| Weight Liquid Full* (kg) | 80.8 | 112.4 | 132.8 | 157.3 | 198.5 |

★Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

★★ Normal Working Duration is an arbitrary reference, to estimate container performance under normal operating conditions. Actual working time may vary due to current atmospheric conditions, container history, manufacturing tolerances and individual patterns of use. Divide static holding days by 1.6, and you get empirical value.

# Smart Cap