



CryoCenter series

Introduction

CryoCenter series is a high performance liquid nitrogen storage container. The pressure is generated by liquid nitrogen vaporization, then it forces the container discharge the liquid nitrogen.

The CryoCenter series liquid nitrogen container is more safe and durable use . It is made of stainless steel and equipped with fill and withdraw valve, safety valve, pressure building valve, pressure relief valve, pressure gauge and mobile castors. Above the capacity 200L container is equipped with bursting disc as double safety.

Compared with traditional welded insulated cylinder largely reduces the evaporation loss, increases the safety and use more convenient.

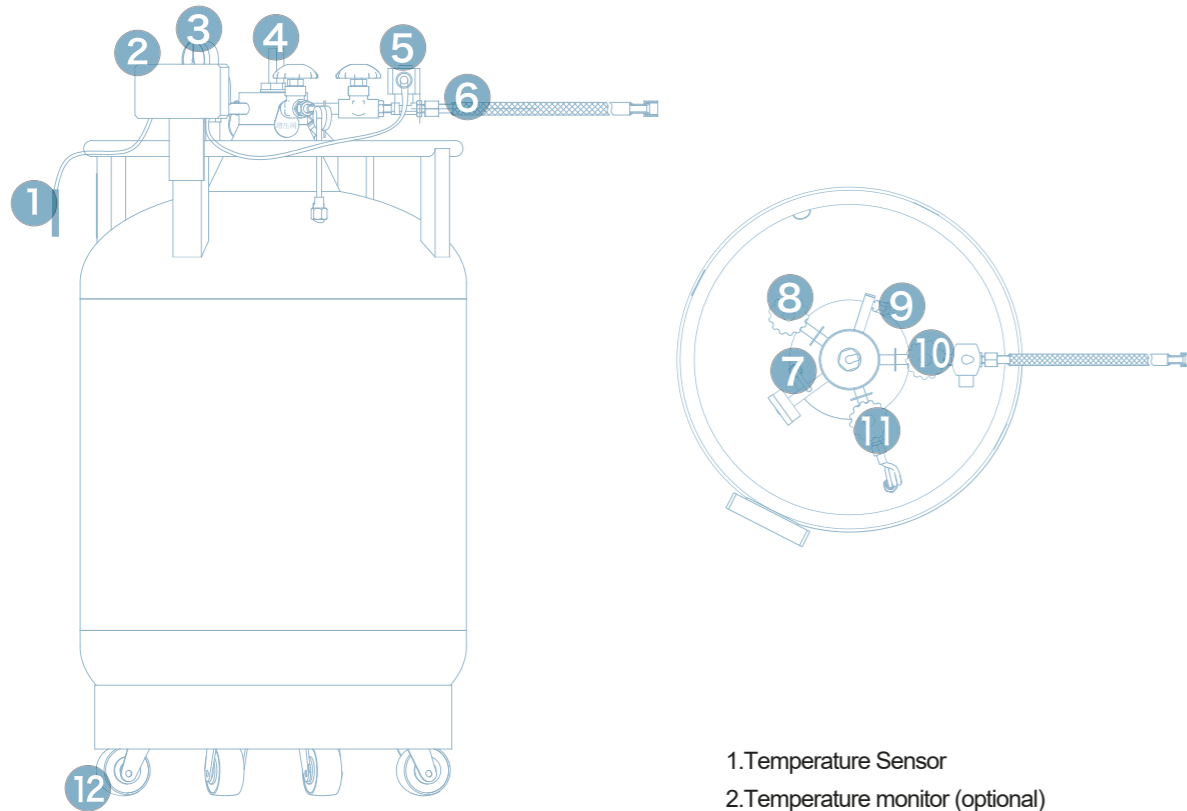
Key Features

- 1 5 year vacuum warranty
- 2 Stainless steel tanks
- 3 Automatic caster wheel for easy mobility
- 4 Low liquid N2 evaporation
- 5 Safety design and mutual protection



Back-up System

The CryoCenter series is a reliable device for liquid nitrogen storage and transportation. Its professional design reduces the liquid nitrogen evaporation consumption and guarantee users' safety. It can be optional for the solenoid valve, inner temperature monitor and liquid nitrogen level indicator to realize the auto supply of liquid nitrogen.



1. Temperature Sensor
2. Temperature monitor (optional)
3. Pressure gauge
4. Liquid nitrogen level indicator (optional)
5. Solenoid valve (optional)
6. Transfer hoses (optional)
7. First Safety valve,
8. Pressure relief valve
9. Second Safety valve
10. Fill and withdraw valve
11. Pressure building valve
12. Mobile castors.

Remarks:
If you need one Cryocenter to supply more than one tank, please contact your Key account manager.

Technical Parameters

Model	CryoCenter 5	CryoCenter 15	CryoCenter 30	CryoCenter 50	CryoCenter 100
Performance					
Liquid Nitrogen Capacity (L)	5	15	30	50	100
Static Evaporation (L/day)*	0.15	0.38	0.75	1	1.3
Infusion Volumes (L/min)	2	2	3	3	4
Dimensions					
Overall Height (mm)	510	750	879	991	1185
External Diameter (mm)	329	404	454	506	606
Weight Empty (kg)	15	23	32	54	75
Weight Liquid Full* (kg)	19.1	35.3	56.6	95	157
Standard Working Pressure (mpa)	0.05				
Highest Working Pressure (mpa)	0.09				
Primary Relief Value Opening Pressure (mpa)	0.099				
Secondary Relief Value Opening Pressure (mpa)	0.15				
Pressure Gauge Indicating Range (mpa)	0~0.25				

Model	CryoCenter 150	CryoCenter 175	CryoCenter 200	CryoCenter 300	CryoCenter 500
Performance					
Liquid Nitrogen Capacity (L)	150	175	200	300	500
Static Evaporation (L/day)*	1.95	2.1	2.4	3.3	5.5
Infusion Volumes (L/min)	6	6	8	8	10
Dimensions					
Overall Height (mm)	1188	1298	1265	1459	1576
External Diameter (mm)	706	706	758	857	1008
Weight Empty (kg)	102	120	130	202	255
Weight Liquid Full* (kg)	225	264	294	448	665
Standard Working Pressure (mpa)	0.05				
Highest Working Pressure (mpa)	0.09				
Primary Relief Value Opening Pressure (mpa)	0.099				
Secondary Relief Value Opening Pressure (mpa)	0.15				
Pressure Gauge Indicating Range (mpa)	0~0.25				

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