

CryoCenter Series

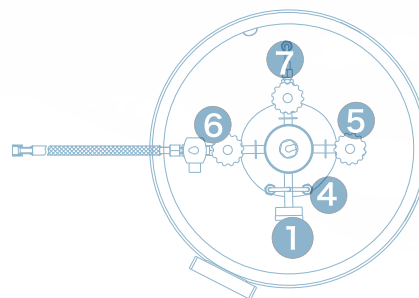
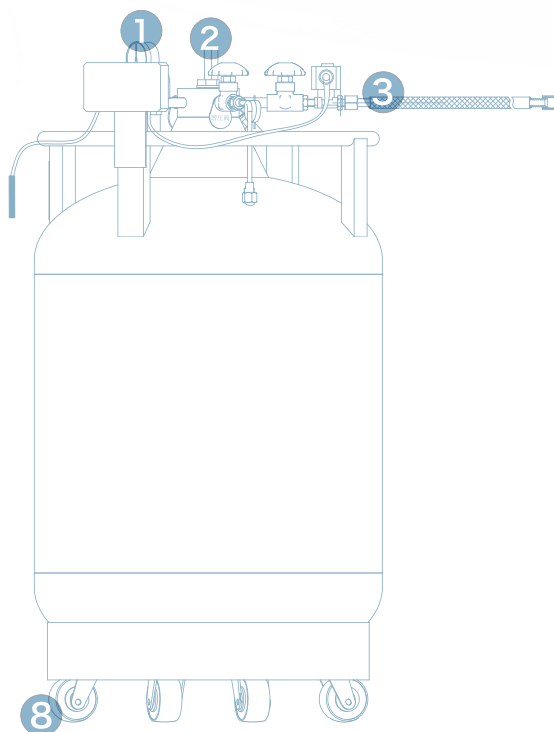
Self-pressurized Container



CryoCenter Series are high efficiency storage containers of liquid nitrogen. It is made in high quality stainless steel SUS304, ensures them to be used in most rigorous environment for long time.

A low pressure is generated by vaporizing small amount of liquid nitrogen, to discharge LN₂ & supply LN₂ to other containers or equipment, such as dewar, vapor freezer, or controlled rate freezer.

The CryoCenter Series containers are supplied with filling/discharge valve, pressure relief valve and vaporize valve. Dual pressure relief valve design for safety. All models are supplied with casters for convenient movement.



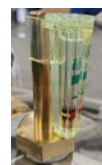
1. Pressure gauge
2. Liquid nitrogen level indicator
3. Transfer hose
4. Dual pressure relief valve
5. Vent valve
6. Fill/discharge valve
7. Pressure building valve
8. Castors



Pressure building regulator
(Supplied with CryoCenter
M & CryoCenter S)



Electric digital level meter
(Supplied with CryoCenter S)



Float level meter
(Supplied with CryoCenter
& CryoCenter M)

Features

- Ultra-low liquid nitrogen consumption
- SUS304 construction & durable for long term use
- Advanced digital display liquid level meter available
- Pressure building regulator available for automatic filling applications
- All models supplied with casters for convenient movement

Specification

CryoCenter M Series:

Supplied with pressure building regulator & float type liquid level meter, for auto filling of cryogenic freezer & controlled rate freezer

Model	CryoCenter 200M	CryoCenter 240M	CryoCenter 300M	CryoCenter 500M
Liquid nitrogen capacity (L)	200	240	300	500
Infusion volumes (L/min)	≥10	≥10	≥15	≥15
Static evaporation (%)*	0.6	0.6	0.8	0.8
Overall height (mm)	1280	1580	1410	1500
External diameter (mm)	656	656	806	958
Weight empty/full (kg)	96/259	130/325	205/449	265/672
Standard working pressure (psig/bar/MPa)	13/0.9/0.09	13/0.9/0.09	13/0.9/0.09	13/0.9/0.09
Relief valve pressure (psig/bar/MPa)	22/1.5/0.15	22/1.5/0.15	22/1.5/0.15	22/1.5/0.15
Bursting disc burst pressure (psig/bar/MPa)	51/3.5/0.35	51/3.5/0.35	51/3.5/0.35	51/3.5/0.35
Pressure gauge indicating range (MPa)	0~0.25	0~0.25	0~0.25	0~0.25
Fill/discharge valve, vent valve, pressure building valve	Yes	Yes	Yes	Yes
Pressure building regulator	Yes	Yes	Yes	Yes
Pressure relief valve (Safety valve)	Yes, 2 pcs	Yes, 2 pcs	Yes, 2 pcs	Yes, 2 pcs
Liquid level meter, float type	Yes	Yes	Yes	—
Liquid level meter, electronic digital display type	—	—	—	Yes
Connection port	CGA295	CGA295	CGA295	CGA295
Caster & hose (2 meter)	Yes	Yes	Yes	Yes

CryoCenter S Series:

Supplied with pressure building regulator & electric digital liquid level meter, for auto filling of cryogenic freezer & controlled rate freezer

Model	CryoCenter 200S	CryoCenter 240S	CryoCenter 300S	CryoCenter 500S
Liquid nitrogen capacity (L)	200	240	300	500
Infusion volumes (L/min)	≥10	≥10	≥15	≥15
Static evaporation (%)*	0.6	0.6	0.8	0.8
Overall height (mm)	1280	1580	1410	1500
External diameter (mm)	656	656	806	958
Weight empty/full (kg)	96/259	130/325	205/449	265/672
Standard working pressure (psig/bar/MPa)	13/0.9/0.09	13/0.9/0.09	13/0.9/0.09	13/0.9/0.09
Relief valve pressure (psig/bar/MPa)	22/1.5/0.15	22/1.5/0.15	22/1.5/0.15	22/1.5/0.15
Bursting disc burst pressure (psig/bar/MPa)	51/3.5/0.35	51/3.5/0.35	51/3.5/0.35	51/3.5/0.35
Pressure gauge indicating range (MPa)	0~0.25	0~0.25	0~0.25	0~0.25
Fill/discharge valve, vent valve, pressure building valve	Yes	Yes	Yes	Yes
Pressure building regulator	Yes	Yes	Yes	Yes
Pressure relief valve (Safety valve)	Yes, 2 pcs	Yes, 2 pcs	Yes, 2 pcs	Yes, 2 pcs
Liquid level meter, float type	—	—	—	—
Liquid level meter, electronic digital display type	Yes	Yes	Yes	Yes
Connection port	CGA295	CGA295	CGA295	CGA295
Caster & hose (2 meter)	Yes	Yes	Yes	Yes

Specification

CryoCenter Series:

Supplied with float type liquid level meter, without pressure building regulator, for liquid nitrogen storage.

Model	CryoCenter 30	CryoCenter 50	CryoCenter 100
Liquid nitrogen capacity (L)	30	50	100
Infusion volumes (L/min)	≥5	≥5	≥5
Static evaporation (%)*	3.2	2.2	1.2
Overall height (mm)	850	960	1120
External diameter (mm)	404	455	556
Weight empty/full (kg)	30/54	38/79	63/144
Standard working pressure (psig/bar/MPa)	13/0.9/0.09	13/0.9/0.09	13/0.9/0.09
Relief valve pressure (psig/bar/MPa)	22/1.5/0.15	22/1.5/0.15	22/1.5/0.15
Bursting disc burst pressure (psig/bar/MPa)	—	—	—
Pressure gauge indicating range (MPa)	0~0.25	0~0.25	0~0.25
Fill/discharge valve, vent valve, pressure building valve	Yes	Yes	Yes
Pressure building regulator	—	—	—
Pressure relief value (Safety valve)	Yes, 2 pcs	Yes, 2 pcs	Yes, 2 pcs
Liquid level meter, float type	Yes	Yes	Yes
Liquid level meter, electronic digital display type	—	—	N/A
Connection port	CGA295	CGA295	CGA295
Caster & hose (2 meter)	Yes	Yes	Yes

Model	CryoCenter 200	CryoCenter 240	CryoCenter 300	CryoCenter 500
Liquid nitrogen capacity (L)	200	240	300	500
Infusion volumes (L/min)	≥10	≥10	≥15	≥15
Static evaporation (%)*	0.6	0.6	0.8	0.8
Overall height (mm)	1280	1580	1410	1500
External diameter (mm)	656	656	806	958
Weight empty/full (kg)	96/259	130/325	205/449	265/672
Standard working pressure (psig/bar/MPa)	13/0.9/0.09	13/0.9/0.09	13/0.9/0.09	13/0.9/0.09
Relief valve pressure (psig/bar/MPa)	22/1.5/0.15	22/1.5/0.15	22/1.5/0.15	22/1.5/0.15
Bursting disc burst pressure (psig/bar/MPa)	51/3.5/0.35	51/3.5/0.35	51/3.5/0.35	51/3.5/0.35
Pressure gauge indicating range (MPa)	0~0.25	0~0.25	0~0.25	0~0.25
Fill/discharge valve, vent valve, pressure building valve	Yes	Yes	Yes	Yes
Pressure building regulator	—	—	—	—
Pressure relief value (Safety valve)	Yes, 2 pcs	Yes, 2 pcs	Yes, 2 pcs	Yes, 2 pcs
Liquid level meter, float type	Yes	Yes	Yes	Yes
Liquid level meter, electronic digital display type	—	—	—	—
Connection port	CGA295	CGA295	CGA295	CGA295
Caster & hose (2 meter)	Yes	Yes	Yes	Yes