

CryoMajor Series Introduction

CryoMajor Series liquid nitrogen containers are economical small and medium size liquid nitrogen containers for long term static state storage. CryoMajor Series include two types, large capacity and long shelf life. CryoMajor Series are made of high strength and light-weight aluminum alloy. There is multilayer superior performance thermal insulation inside.

Various accessories are optional. Mainly apply to animal husbandry and laboratories.

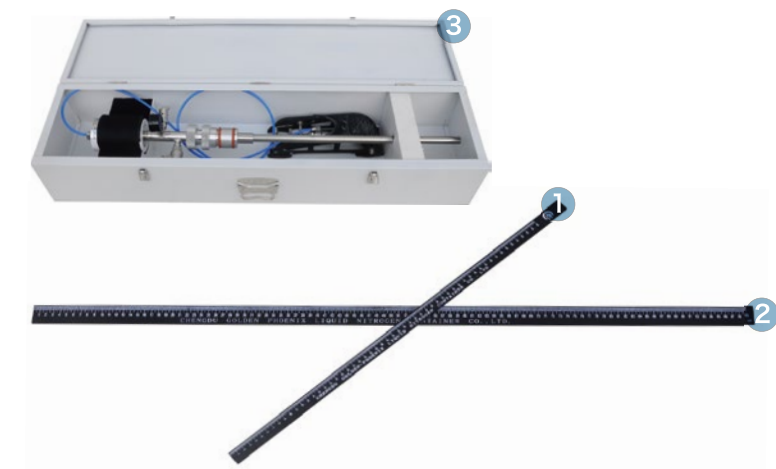


Key Features

- 1 High strength and light-weight aluminum construction
- 2 Ultra-low evaporation loss
- 3 Numbered index location points for canisters(optional)
- 4 Mobile roller bases (optional)
- 5 Lockable lid
- 6 Straw storage
- 7 LN₂ pump (optional)
- 8 5 year vacuum warranty

Important Accessories

- 1. 600mm Liquid Level Ruler
- 2. 1000mm Liquid Level Ruler
- 3. LN₂ Dispenser



Technical Specification

Model	CryoMajor 2/35	CryoMajor 3/50	CryoMajor 6/50	CryoMajor 10/50	CryoMajor 13/50
Maximum Storage Capacity					
Number of Canisters	3	6	6	6	6
Number of Straws (0.5ml)	165	792	792	792	792
Number of Straws (0.25ml)	330	1788	1788	1788	1788
Performance					
Liquid N2 Capacity(L)	2	3	6	10	13
Static Evaporation(L/D)	0.08	0.12	0.12	0.12	0.12
Static Holdover time(Day)	24	26	52	86	109
Unit Dimensions					
Neck Diameter (mm)	35	50	50	50	50
Overall Height(mm)	428	435	482	552	623
External Diameter (mm)	204	223	300	300	310
Canister Diameter(mm)	25	38	38	38	38
Canister Height (mm)	120	120	120	120	120
Weight Empty (KG)	2.6	3.1	4.8	5.9	6.3
Weight Full (KG)	4.2	5.6	9.7	14.1	15.9

Model	CryoMajor13/50L	CryoMajor15/50	CryoMajor 20/50 CryoMajor 20/50L	CryoMajor 20/80 CryoMajor 20/80L
Maximum Storage Capacity				
No. of Canister	6	6	6	6
No. of Straws (1-level Canister)	0.5ml	—	792	2244
	0.25ml	—	1788	5022
No. of Straws (2-level Canister)	0.5ml	—	1284	—
	0.25ml	—	2832	—
Performance				
Liquid Nitrogen Capacity (L)	13	15	20	20
Static Evaporation (L/day)	0.12	0.11	0.12	0.21
Static Holdover time(Day)	108	134	166	95
Unit Dimensions				
Neck Opening (mm)	50	50	50	80
Overall Height (mm)	623	591	672	672
External Diameter (mm)	310	394	394	394
Canister External Diameter (mm)	38	38	38	63
Canister Height (mm)	276	120	120/276	276
Weight Empty (kg)	6.3	8.5	9.5	9.5
Weight Liquid Full (kg)	16.6	18.2	22.3	22.3

Technical Specification

Model	CryoMajor 25/50 CryoMajor 25/50L	CryoMajor 30/50 CryoMajor 30/50L	CryoMajor 30/80 CryoMajor 30/80L	CryoMajor 30/125 CryoMajor 30/125L	CryoMajor 35/50 CryoMajor 35/50L
Maximum Storage Capacity					
No. of Canister	6	6	6	6	6
No. of Straws (1-level Canister)	0.5ml	792	792	2244	5124
	0.25ml	1788	1788	5022	11952
No. of Straws (2-level Canister)	0.5ml	1284	1284	3624	9048
	0.25ml	2832	2832	8460	19944
Performance					
Liquid Nitrogen Capacity (L)	25	31.5	31.5	31.5	35.5
Static Evaporation (L/day)	0.12	0.12	0.21	0.35	0.12
Static Holdover time(Day)	208	254	147	90	286
Unit Dimensions					
Neck Opening (mm)	50	50	80	125	50
Overall Height (mm)	700	706	710	705	750
External Diameter (mm)	394	462	462	462	462
Canister External Diameter (mm)	38	38	63	97	38
Canister Height (mm)	120/276	120/276	120/276	120/276	120/276
Weight Empty (kg)	10.7	12.9	13.1	12.9	14.2
Weight Liquid Full (kg)	26.4	31.7	31.7	38.7	35.0

Model	CryoMajor 35/80 CryoMajor 35/80L	CryoMajor35/125T CryoMajor35/125TL	CryoMajor47/127 CryoMajor47/127L	CryoMajor47/127T CryoMajor47/127TL	CryoMajor50B/50 CryoMajor50B/50L	CryoMajor50B/125 CryoMajor50B/125L
Maximum Storage Capacity						
No. of Canister	6	10	6	10	6	6
No. of Straws (1-level Canister)	0.5ml	2244	8540	5124	8540	792
	0.25ml	5022	19920	11952	19920	1788
No. of Straws (2-level Canister)	0.5ml	9048	15080	9048	15080	1284
	0.25ml	3624	33240	19944	33240	2832
Performance						
Liquid Nitrogen Capacity (L)	35.5	35.5	47	47	50	50
Static Evaporation (L/day)	0.12	0.36	0.36	0.36	0.23	0.45
Static Holdover time(Day)	286	97	130	130	213	110
Unit Dimensions						
Neck Opening (mm)	50	125	125	127	50	125
Overall Height (mm)	750	748	718	718	811	818
External Diameter (mm)	462	462	508	508	462	462
Canister External Diameter (mm)	38	70	97	72	63	97
Canister Height (mm)	120/276	120/276	120/276	120/276	120/276	120/276
Weight Empty (kg)	14.2	14.2	15	15	15.2	15.4
Weight Liquid Full(kg)	35.0	46.2	53.54	55.6	55.4	56.2

Remark:
 1. Model number end without "L" are supplied with 110mm or 120mm length canister. One layer of straws can be loaded.
 2. Model number end with "L" are supplied with 260mm or 276mm length canister. Two layers of straws can be loaded.
 3. For example, CryoMajor30/50 is supplied with canister height 120mm, while CryoMajor 30/50L is supplied with canister height 276mm.

New Products and Canes



(CryoMajor 35/125T)

CryoMajor Series will be also used to store 0.5ML-5ML vials with cane. The storage quantity shown in the table below:

Technical Specification

Canister Model	Length 120mm, Diameter 38mm(50 neck opening)				Length 276mm, Diameter 38(50 neck opening)			
Vials Model	Number of Cane/ Canister	Number of Vials/ Cane	Number of Vials/ Canister	Number of Vials/ Tank	Number of Cane/ Canister	Number of Vials/ Cane	Number of Vials/ Canister	Number of Vials/ Tank
0.5ml	4	3	12	72	4	5	20	120
1.5ml	4	3	12	72	4	5	20	120
2ml	4	3	12	72	4	5	20	120
3ml	4	3	12	72	4	5	20	120
5ml	4	1	4	24	4	3	2	72

Canister Model	Length 120mm, Diameter 63mm(80 neck opening)				Length 276mm, Diameter 63(80 neck opening)			
Vials Model	Number of Cane/ Canister	Number of Vials/ Cane	Number of Vials/ Canister	Number of Vials/ Tank	Number of Cane/ Canister	Number of Vials/ Cane	Number of Vials/ Canister	Number of Vials/ Tank
0.5ml	16	3	48	288	16	5	80	480
1.5ml	16	3	48	288	16	5	80	480
2ml	16	3	48	288	16	5	80	480
3ml	16	3	48	288	16	5	80	480
5ml	16	1	16	96	16	3	48	288

Canister Model	Length 120mm, Diameter 97mm(125 neck opening)				Length 276mm, Diameter 97(125 neck opening)			
Vials Model	Number of Cane/ Canister	Number of Vials/ Cane	Number of Vials/ Canister	Number of Vials/ Tank	Number of Cane/ Canister	Number of Vials/ Cane	Number of Vials/ Canister	Number of Vials/ Tank
0.5ml	40	3	120	720	40	5	200	1200
1.5ml	40	3	120	720	40	5	200	1200
2ml	40	3	120	720	40	5	200	1200
3ml	40	3	120	720	40	5	200	1200
5ml	40	1	40	240	40	3	120	720