

## Thermo Scientific CryoPlus Storage Systems

Thermo Scientific storage systems offer the ideal combination of liquid nitrogen storage reliability and microprocessor technology.

The CryoPlus Series LN<sub>2</sub> Storage system provides precise and accurate control over all parameters without complicated programming. Storage capacities of up to 38,500 vials (2.0mL) make the most of your valuable laboratory storage space.



Sixteen preset audible and visual alarm combinations provide maximum product protection. Automatic defogger is incorporated into the manual fill index to improve visibility during retrieval.

### Microprocessor Control

- Precise liquid level control over 16 parameters; with autofill system
- Control panel is mounted on top for convenient access and easy touchpad programming
- Digital temperature display sensor is located under the lid; this indicates the highest temperature reading inside the tank
- 24 tricolor LEDs continuously display actual liquid nitrogen level and high-level/low-level setpoints
- Alarm contacts for remote monitoring of storage tank conditions

### Durable Construction

- Low-profile tank with vacuum-insulated, stainless-steel chamber
- Counterbalanced lid with foamed-in-place, high density polyurethane insulation; patented, dedicated vent; 100% clearance

- Two independent, flexible lid gaskets reduce moisture migration into the chamber
- Liquid level sensor and fill port within vacuum space, for maximum storage and sensor protection
- Front-mounted key lock and rear-mounted recessed power switch; control panel can also be locked
- Temperature sleeve (included) provides colder temperatures and efficient vapor phase operation
- Heavy-duty casters

**Ordering Information:** Optional racks, canisters, frames, and risers allow you to create an organized inventory system that provides optimum storage in liquid or vapor phase. Contact your customer service representative for details.

**Includes:** CryoPlus 1 has 0.5" 45° flare, 4' (1.2m) flexible hose. CryoPlus 2, 3, and 4 come with 0.5" 45° flare, 6' (1.8m) flexible hose.

**Warranty:** One year parts

**Compliance:** UL listed to U.S. and Canadian requirements; CE marked

## Product Specifications and Ordering Information

Cat. No.	Capacity	Vial Capacity†	Rack[s]	Evaporation Rate	Static Holding Time	Reservoir D x Dia.	Exterior L x W x H	Weight (Empty/Full)	Voltage (Plug Type)
<b>CryoPlus 1</b>									
<b>7400</b>	90L (23.75 gal.)	5500 to 6318	4 sq., 11 vert., or 6 arrowhead	3L/day (0.75 gal./day)	30 days	69.9 × 40.6cm (27.5 × 16")	66 × 54.6 × 104cm (26 × 21.5 × 41")	97.1kg (214 lb.); 160.6kg (354 lb.); 117.9kg (260 lb.)	100/120V 50/60Hz (NEMA 5-15P)
<b>7401</b>	90L (23.8 gal.)	5500 to 6318	4 sq., 11 vert., or 6 arrowhead	3L/day (0.75 gal./day)	30 days	69.9 × 40.6cm (27.5 × 16")	66 × 54.6 × 104.1cm (26 × 21.5 × 41")	97.1kg (214 lb.); 160.6kg (354 lb.); 117.9kg (260 lb.)	200/230V 50/60Hz (CEE 7/7)
<b>CryoPlus 2</b>									
<b>7402</b>	200L (52.75 gal.)	13,000	10 sq. or 26 vert.	5L/day (1.25 gal./day)	40 days	69.9 × 61cm (27.5 × 24")	86.4 × 72.4 × 104.1cm (34 × 28.5 × 41")	147.4kg (325 lb.); 308.4kg (680 lb.); 217.7kg (480 lb.)	100/120V 50/60Hz (NEMA 5-15P)
<b>7403</b>	200L (52.8 gal.)	13,000	10 sq. or 26 vert.	5L/day (1.25 gal./day)	40 days	69.9 × 61cm (27.5 × 24")	86.4 × 72.4 × 104.1cm (34 × 28.5 × 41")	147.4kg (325 lb.); 308.4kg (680 lb.); 217.7kg (480 lb.)	200/230V 50/60Hz (CEE 7/7)
<b>CryoPlus 3</b>									
<b>7404</b>	340L (89.75 gal.)	22,100 to 24,000	17 sq. or 48 vert.	8L/day (2.13 gal./day)	42.5 days	69.9 × 78.7cm (27.5 × 31")	105.4 × 87.6 × 104.1cm (41.5 × 34.5 × 41")	188.7kg (416 lb.); 463.1kg (1021 lb.); 249kg (550 lb.)	100/120V 50/60Hz (NEMA 5-15P)
<b>7405</b>	340L (89.8 gal.)	22,100 to 24,000	17 sq. or 48 vert.	8L/day (2.13 gal./day)	42.5 days	69.9 × 78.7cm (27.5 × 31")	105.4 × 87.6 × 104.1cm (41.5 × 34.5 × 41")	188.7kg (416 lb.); 463.1kg (1021 lb.); 249kg (550 lb.)	200/230V 50/60Hz (CEE 7/7)
<b>CryoPlus 4</b>									
<b>7406</b>	552L (145.75 gal.)	36,400 to 38,500	31 sq. or 77 vert.	10L/day (2.63 gal./day)	55 days	69.9 × 100.3cm (27.5 × 39.5")	127 × 110.5 × 119.4cm (50 × 43.5 × 47")	371.9kg (820 lb.); 734.8kg (1620 lb.); 485.3kg (1070 lb.)	100/120V 50/60Hz (NEMA 5-15P)
<b>7407</b>	552L (145.8 gal.)	36,400 to 38,500	31 sq. or 77 vert.	10L/day (2.63 gal./day)	55 days	69.9 × 100.3cm (27.5 × 39.5")	127 × 110.5 × 119.4cm (50 × 43.5 × 47")	371.9kg (820 lb.); 734.8kg (1620 lb.); 485.3kg (1070 lb.)	200/230V 50/60Hz (CEE 7/7)

† 2mL vials based on rack configuration. Ask your customer service representative about other vial, bag and can capacities.

### Specifications

<b>Color</b>	White
<b>Body</b>	18-gauge cold-rolled steel with powder-coated paint
<b>Reservoir</b>	Stainless steel
<b>With Level Monitor</b>	Yes
<b>With Autofill System</b>	Yes

Ask your customer service representative about Thermo Scientific racks and accessories for CryoPlus Storage Systems.

Static evaporation rates and holding times are based on new vessel performance, without any product load, or lid openings, and in a controlled environment. Actual working performance will vary with individual applications. Excludes supply tank evaporation. Total LN2 consumption will vary greatly depending on product loads, lid openings, fill cycles, and supply tank evaporation rate.

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