

Thermolyne
Cryogenics



Liquid Nitrogen Transfer Vessels



Economical and Durable!

- Capacities from 5 to 50 liters
- Compact durable design saves space
- Full range of accessories

Liquid Nitrogen Transfer Vessels



Accessory transfer hose and optional phase separator (AY509X7) for Thermo 35 and 50 saves liquid nitrogen and prevents splashing when dispensing liquid nitrogen.



Accessory spout (AY509X8) attaches directly to Thermo 35 and 50 for dispensing.



Convenient pail-style handle and lightweight design make the Thermo 5 and 10 ideal for pouring into even the hardest-to-reach places.



Also available is an accessory dipper (AY509X6). This implement is ideal when 12 ml (or less) of liquid nitrogen is needed.



Accessory transport carts (AY509X9) are available for most Thermo dewars and cylinders.

Thermolyne Cryogenics









Thermo™ Dewars

- Designed to bring liquid nitrogen to Locator® Systems and other cryovessels.
- Thermo 5, 10, 20 and 30 lightweight aluminum dewars assure low-static evaporation rates.
- Compact Thermo 5 and 10 dewars feature a convenient pail-style handle for pouring and for use in applications where only small quantities of liquid nitrogen are needed.
- Thermo 10, 20, and 30 can be fitted with self-pressurized withdrawal accessory devices to easily dispense LN₂ without need for pouring.

Thermo Cylinders

- Thermo 35 and 50 dewars' stainless-steel design is rugged.
- Ideal for liquid nitrogen purge and trap applications used.
- Low operating pressure and regulating valve allow for controlled rate, continuous feed, and intermittent feed requirements.
- Accessory stainless-steel transfer hoses directly link the cylinder to instruments, or bulk storage facilities.
- Optional phase separator attachment for transfer hose allows easy dispensing.
- Casters make maneuvering the unit easy.

PRODUCT SPECIFICATIONS

	Thermo 5 TY509X1	Thermo 10 TY509X2	Thermo 20 TY509X3	Thermo 30 TY509X4	Thermo 35 TY509X5	Thermo 50 TY509X6
						
Diameter: Inches (cm)	8.8 (22.4)	10.3 (26.2)	14.5 (36.8)	17 (43.2)	16 (40.6)	16 (40.6)
Height: Inches (cm)	18.2 (46.2)	21.5 (54.6)	24.7 (62.8)	24.1 (61.2)	34 (86.4)	41 (104.1)
Neck Diameter: Inches (cm)	2.2 (5.6)	2.2 (5.6)	2 (5)	2.5 (6.4)	—	—
Static Evaporation Rate (Liters/Day)	0.15	0.18	0.18	0.22	2.0	2.3
Static Holding Time (Days)	33.3	55.6	116.7	128	23	25
Liquid Nitrogen Capacity (Liters)	5	10	21	32	35	50
Relief Valve Setting (psi)	—	—	—	—	22	22
Shipping Weight: Lb. (kg)	12 (5.4)	14 (6.4)	24 (10.9)	30 (13.6)	58 (26.3)	130 (58.9)

ORDERING INFORMATION

	Thermo 5 TY509X1	Thermo 10 TY509X2	Thermo 20 TY509X3	Thermo 30 TY509X4	Thermo 35 TY509X5	Thermo 50 TY509X6
US List Price	\$747.00	\$771.00	\$927.00	\$1,082.00	\$2,684.00	\$2,828.00

ACCESSORIES

Model #	Description	US List Price
AY509X5	Withdrawal device for Thermo 10	\$526.00
AY509X4	Withdrawal device for Thermo 20	\$503.00
AY509X3	Withdrawal device for Thermo 30	\$503.00
AY509X6	12 ml Dipper	\$95.00
AY509X8	Spout for Thermo 35 and 50	\$136.00
AY509X7	6-ft. transfer hose for Thermo 35 and 50	\$299.00
AY509X11	Phase separator for transfer hose	\$136.00
AY509X9	Adjustable Cart for Thermo 20, 30, 35 and 50	\$216.00