

CryoMizer™

The CryoMizer™ Class is designed to combine the convenience of sample storage in boxes with the benefit of low liquid nitrogen consumption. CryoMizer™ systems offer the flexibility of storing samples in either liquid phase or vapor phase storage to meet capacity needs up to 7,000 each 2 ml vials. Through the technology of the CryoMizer™ system's super insulate, temperatures of -185°C can be achieved at the top shelf of sample storage racks, with only 2" of liquid nitrogen in the tank.

- Box Storage 2 ml vials
- Storage capacity up to 7,000 2 ml vials
- Low LN₂ consumption

Vial storage in boxes allows for ease of use and accurate tracking of samples. Every CryoMizer™ comes standard with stainless steel racks, a Max Rack™, roller base and LN₂ measuring rod. Package systems are available with CryoGloves, and polycarbonate or fiberboard inventory boxes.



- Three-year warranty on all parts and labor
- Five-year warranty on vacuum

Features:

- Durable aluminum tank with powder coated exterior
- Stainless steel storage racks, configured for 2" high boxes
- Roller base
- Liquid nitrogen measuring rod for level validation
- Lid lock provision
- Insulated neck tube core
- Compatible design for both liquid and vapor phase storage

Models	CM 1	CM 2	CM 3	CM 4
Total Vial Capacity (2 ml Vial Not Included)	875	2500	5000	7000
Total Box Capacity (Not Included)	35	25	50	70
Rack Capacity (Includes Max Rack™)	7	5	5	7
Boxes Per Rack	5	5	10	10
LN ₂ Capacity (Liters)	47.4	61	121	175
Static Evaporation Rate* (Liters/Day)	0.39	0.85	0.99	0.99
Static Holding Time* (Days)	76	38	70	104
Neck Diameter (in/mm)	5/127	8.5/215.9	8.5/215.9	8.5/215.9
Overall Height (in/mm)	26.5/673.1	27.25/692.2	38/965.2	37.75/958.8
Exterior Diameter (in/mm)	20/508	22/558.8	22/558.8	26/660.4
Weight Empty (lbs/kg)	42/19.1	58/26.3	81/36.7	103/46.7
Weight Full (lbs/kg)	120.4/54.6	182/82.6	300/136.1	425/192.7

*Static Evaporation Rate and Static Holding Time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history and manufacturing tolerances.



CM 1

CM 2

CM 3

CM 4

Optional Accessories:

- CryoGloves
- Apron
- Face Shield
- Tongs
- Stainless Steel Transfer Hose (4', 6', and 10')
- Phase Separator
- uCryo Low Liquid Alarm
- Fiberboard Boxes (81 cell, 100 cell, or custom)
- Polycarbonate Boxes (25, 81, or 100 cell)

Package Systems:

Model: CM 1 CS/ CM 2 CS/ CM 3 CS/ CM 4 CS

Includes:

Tank, Roller base, Stainless Steel Rack Inventory System, Fiberboard Boxes (81 cell, 100 cell, or custom), Cryogloves and LN₂ Measuring Rod

Model: CM 1 PS/ CM 2 PS/ CM 3 PS/ CM 4 PS

Includes:

Tank, Roller base, Stainless Steel Rack Inventory System, Polycarbonate Boxes (25 cell, 81 cell, or 100 cell), Cryogloves and LN₂ Measuring Rod



CM 3 CS