



phasetwo®

Cryogenic Rack Freezer (CRF)

phasetwo's Cryogenic Rack Freezer (CRF) provides users with the latest technology. This design provides a dedicated and fixed position for the optional Low-Level and Temperature Alarm (LLTA). The LLTA continues to monitor the freezer's temperature and level while product is removed or inserted, providing product security.

The CRF6000 is available with the DLS3 Controller, phasetwo's non-PLC based Liquid Level Controller. This model (CRF6000 with DLS3 Controller) also features a full diameter handling ring and integrated casters. We custom designed our one-piece lid to enable the operator to remove the lid, securely position it on one of the handles, and have both hands free to quickly access samples. Our premium multi-layer insulation and other materials, together with the latest vacuum technology systems provides the leading industry performance. Engineering utilized finite element analysis, with specific testing to create durable aluminum freezers suitable for today's requirements.



CRF750



CRF3000



CRF4800



CRF6000



CRF6000
w/ DLS3 Controller

Features

- **Autofill available on CRF6000 with DLS3 Controller.**
- **Low Level and Temperature Alarm remains in place while product are inserted or removed for product security.**
- **Available installed or sold separately for field installation.**
- **Premium materials provide industry leading LN2 performance.**
- **Storage capacities from 750 - 6000 2ml vials.**
- **Numbered rack locations for easy product identification.**



phase^{two}[®]

CRF-Series Model	CRF750	CRF3000	CRF4800	CRF6000	CRF6000 w/ Controller
Number of Racks	6	6	6	6	6
Numbers of 2ml Vials	750	3000	4800	6000	6000
Boxes per Rack	5	5	8	10	10
LN2 Capacity (L)	35	91	140	167	167
Outer Diameter (in/mm)	18.8 (478)	27 (686)	27 (686)	27 (686)	28.5* (724)
Overall Height (in/mm)	26.3 (668)	30.4 (772)	36.4 (925)	39.2 (996)	50.6 (1285)
Neck Opening (in/mm)	4.7 (119)	8.5 (216)	8.5 (216)	8.5 (216)	8.5 (216)
Weight Empty (lbs/kg)	39.5 (17.9)	80 (36.3)	90 (40.8)	96.7 (43.9)	108 (49)
Weight Full (lbs/kg)	101.9 (46.2)	242.2 (109.9)	339.5 (154)	394.3 (178.9)	405.6 (184)
Evaporation Rate (L/day)	0.27	0.76	1	1	2.5
Static Holding Time (days)	130	120	140	167	67

* Lower outer diameter based on integrated casters.

Vacuum: 5 year warranty | Materials and Workmanship: 2 year warranty