



MDF-DU702VXC-PA

Twin Guard®

-86°C Ultra-Low Temperature Upright Freezer

25.7 cu.ft. | 729 L



MDF-DU702VXC-PA







The patented TwinGuard -86°C upright freezeris powered by a unique concept of two independent auto-cascade coolingcircuits that work together, both independently and concurrently, to provide continuity in stored product protection over a range of real world conditions.

Ultimate Sample Protection

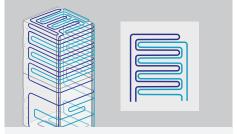
The dual cooling system offers the highest level of sample protection through the use of two independent refrigeration systems that maintain -86°C temperature. The two circuits work together for fast temperature recovery, while the secondary system keeps the temperature at -70°C if a service event occurs.

Efficient Sample Storage

The use of VIP® Plus cabinet and door insulation, combined with a newly designed refrigeration system layout ensures a capacity of 576
2" storage boxes, requiring only 9.78 sq.ft. (0.91 m2) of floor space.

Security Control and Monitoring

An eye level, door mounted color LCD touchscreen allows full user control while the USB port makes transferring logged data to a PC convenient. All performance attributes are displayed and an internal time/temperature log is expressed in graphic form.



Valuable Sample Storage

With two independent systems, each sustaining ultra-low temperatures, your samples remain safe. Optional CO₂ backup provides an extra layer of protection.



EZlatch

EZlatch is the centerpiece of a holistic inventory access and frost mitigation system. The simplified, one-handed, comfortable operation keeps TwinGuard upright freezers operating at maximum energy efficiency.



Ease of Use

The display panel includes a comprehensive alarm system with audible and visual warnings, unit diagnostics, running temperature log and predictive analytics.

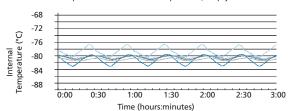


Improved Temperature Performance

The TwinGuard -86°C upright freezer design provides optimal temperature stability and uniformity. During routine door openings, the insulated inner doors minimize the loss of cold air even when the outer door is open.

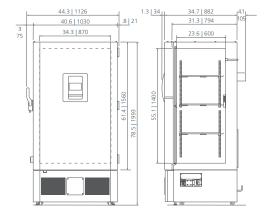
Temperature Uniformity Data:

-80°C setpoint at 23°C ambient temperature, empty freezer



Dimensions

Unit: inch | mm





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Internal Dimensions (W × D × H)	J702VXC-PA
Volume cuft. liters 2.5. Net Weight bs kg 7.47 Capacity (2° boxes) qty 7.41 Unventory Racks (2° boxes) qty 7.41 Inventory Racks (3° boxes) qty 7.42 Performance 7.42 7.42 Warranty ** \$ years pactions \$ years pactions Cooling Performance ** **C -5.50 to -90 in Temperature Setting Range ** **C -5.50 to -90 in Temperature Control Range ** **C -5.50 to -90 in Controller Microprocessor, touchscreen \$ c Controller Microprocessor, touchscreen \$ per centrol Display **C **C Temperature Sensor **Principle **Microprocessor, touchscreen **Principle Refrigeration **Microprocessor, touchscreen **Principle **Principle Refrigeration System qty **Q (aut **Q (aut Compressors qty **Q (aut **Q (aut Refrigeration System qty **Q (aut	5 1030 × 882 × 1993
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Warranty ³	24
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Inner Door Kit with 5 Smaller Doors MDF- Inner Door Kit with 4 Smaller Doors MDF- Liquid CO₂ Back-Up System MDF-	
Inner Door Kit with 4 Smaller Doors MDF- Liquid CO ₂ Back-Up System MDF-	-7ID5-PW
Liquid CO ₂ Back-Up System MDF-	-7ID4-PW
	-UB7-PW
Temperature Recorder	
	0.00
21	RC954 ⁵⁾
	00386REV
·	R252
Optional Communication System	
Wireless, Cloud-Based, Automatic Data Management LabAlert® Mo	onitoring System

- 1) Exterior dimensions of main cabinet only, excluding handle and other external projections
- ²⁾ Current warranty offered at time of printing and may be subject to change; US and Canada only
- 3) Air temperature measured at freezer center, ambient temperature +30°C, no load
- ⁴⁾ Nominal value, background noise 20 dB[A]
- 5) Requires sensor cover MTR-DU700SF-PW

Specifications are subject to change without notice

For latest specification information contact PHC Corporation of North America at info@us.phchd.com.