Panasonic

In April 2018, our Biomedical Business Brand will change to **PHCbi**



Twin *Guard*

-86°C Upright Freezer

528 L









The most secure ultra-low temperature freezers for the storage of high value samples

TwinGuard Ultra Low Temperature Freezers with Dual Cooling Technology offer the highest level of security for high-value samples. Alongside exceptional ease-of-use and data monitoring, the Dual Cooling System provides the highest level of protection.

Ultimate Sample Protection

The Dual Cooling System offers high levels of protection through the use of two independent refrigeration systems. If one system unexpectedly fails the other can maintain the freezer in the -70°C range.

Efficient Sample Storage

The combination of VIP PLUS vacuum insulation and an enhanced cabinet design with insulated outer door, ensures optimum temperature uniformity, while the reduced wall thickness maximizes storage capacity up to 384 2" boxes.

Intelligent Interface

The EZlatch makes access to stored samples even easier.
A colour LCD touch panel

allows full user control, even with gloved hands, while the USB port makes transferring logged data to a PC convenient.



Valuable Sample Storage

Securely store valuable and irreplaceable samples with the upmost confidence that they won't be lost in the case of compressor failure.



Flexible Shelf Layout

Multiple shelf configurations allow a variety of storage options. Organize your samples by transferring your current inventory racks.



Restricted Access Laboratories

Significantly extended time to react to any sudden mechanical failures and data logging are ideal for high security applications such as pathogenic research.

TwinGuard -86°C Upright Freezer



Dual Cooling System

The Dual Cooling System offers ultimate sample protection. The two independent refrigeration systems provide a reliable and exceptionally stable -86°C ultra low temperature environment. If one system unexpectedly fails, the other can maintain the freezer in the -70°C range until service can be arranged.

Intelligent Eco Mode Operation

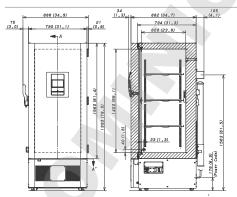
When set to ECO mode, the microprocessor controller will establish an overlapping cycle of the two refrigeration systems based on the load status of the freezer, significantly reducing energy consumption.

Filterless Design

The filterless construction of the freezers reduces routine maintenance time by eliminating the need for regular cleaning of filters

Innovative Cabinet Design

The enhanced cabinet design with chamfered edges reduces footprint for use in multi freezer laboratories.



MDF-DU502VX-PE



The MDF-DU502VX-PE is certified as a Class IIa Medical Device (93/42/EEC and 2007/47/EC) for medical purposes of storing human cells, organs, plasma and DNA.

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mm litres kg 2" boxes °C °C °C	790 x 882 x 1993 630 x 600 x 1400 528 285 384 -86 -50 to -90 -50 to -86
litres kg 2" boxes °C °C	528 285 384 -86 -50 to -90
kg 2" boxes °C °C	285 384 -86 -50 to -90
kg 2" boxes °C °C	-86 -50 to -90
2" boxes °C °C	-86 -50 to -90
°C	-50 to -90
°C	-50 to -90
°C	-50 to -90
°C	
	-au to -86
	Microprocessor, non-volatile memory
	LCD Touch Screen
	Pt-1000
	1 (-1000
	Independent Dual Cooling
VA	Independent Dual-Cooling
VV	2 x 1100
	HFC mixed
	PUF / VIP Plus
mm	80
	Painted Steel
	Painted steel
qty	1
	Y
	2
qty	3
kg	50
kg	415
	2 (1 automatic, 1 manual)
qty	3
	back x 1, bottom x 2
Ø mm	17
qty	4 (2 leveling feet)
(R = Rem	ote Alarm, V = Visual Alarm, B = Buzzer Alarm
	V-B-R
	V-B-R
	V-B-R
	Filterless design
	V-B
V	230
Hz	50
dB [A]	52
set of 5	MDF-5ID5-PW ⁵⁾
set of 4	MDF-5ID4-PW ⁵⁾
	MDF-UB7-PW
	MTR-G85C-PE 6]
	RP-G85-PW
	PG-R-PW
	MTR-85H-PW
	RP-85-PW
	RP-85-PW
	qty kg kg qty Ø mm qty (R = Rem V Hz dB [A]

¹¹ Exterior dimensions of main cabinet only, excluding handle

⁴⁾ Nominal value - Background noise 20dB[A] Susable storage capacity will be 320 x 2" boxes with installation of MDF-5ID5-PW and additional shelf.
Requires sensor cover MTR-DU700SF-PW



and other external projections.

Air temperature measured at freezer centre, ambient temperature along. not lead to the partial projection of the management of the management

⁽³⁾ and chamber bottom surface. The weight is the maximum load for chamber inside and does not account for maximum load on casters equipped with product.