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Umsatzsteuer-
Identifikationsnummer
:
DE 143 450 657



PHC Twin Guard ultra-low freezer, -86°C, 729 liters

**Price on
request
plus VAT &
Shipping**

Product Images



Description

The TwinGuard MDF-DU702VX-PE -86°C Ultra Low Temperature Freezer meets industry requirements for safe, long-term storage of the highest quality materials. Two independent cooling systems, combined with optional liquid nitrogen or liquid CO₂ back-up systems, provide a circle of protection that is unique in the market. With two independent cooling systems, TwinGuard freezers provide a reliable and consistent cryogenic environment of -86°C. Should one cooling system unexpectedly fail, the other circuit safely maintains irreplaceable samples at -70°C until service can be arranged.

Ultimate protection of samples and storage of valuable specimens

The Dual Cooling System provides the ultimate protection by using two independent cooling systems. If one system unexpectedly fails, the other can keep the freezer in the -70°C range. Safely store valuable and irreplaceable samples with the utmost confidence that they will not be lost in the event of a compressor failure.

Efficient sample storage and flexible shelf arrangement

The combination of VIP PLUS vacuum insulation and an improved cabinet design with insulated outer door ensures optimal temperature distribution, while the reduced wall thickness maximizes storage capacity. Multiple shelf configurations allow for a variety of storage options.

Intelligent Interface

The EZ handle makes accessing stored samples even easier. A color LCD touch panel allows full user control, even with gloves on, while the USB port makes it easy to transfer logged data to a PC.

Benefits at a glance:

- Extremely safe dual cooling system
- VIP PLUS insulation
- Flexible shelf arrangement
- Intelligent interface
- Innovative cabinet design

Features:

- Dual Cooling System
- EZ-handle
- LCD touch screen
- USB connection
- ECO mode

Overall dimensions (W x D x H):	1030 x 882 x 1993 mm
Interior dimensions (W x D x H):	870 x 600 x 1400 mm
Volume:	729 l
Net weight (approx.):	328 kg
Max. Capacity 2" boxes:	576
Temperature control range:	-50 to -86 °C
Controller:	Microprocessor, non-volatile memory
Display:	LCD touch screen
Temperature sensor:	Pt-1000
Cooling system:	Independent double cooling

High pressure compressor:	2 x 1100 W
Coolant:	HFC mixed
Insulation material:	PUF / VIP Plus
Insulation thickness:	80 mm
Outer cladding:	Painted steel
Interior cladding:	Painted steel
Outer door:	1
Outer door lock:	J
Inner door:	2
Shelves:	3
Max. Load - per shelf:	50 kg
Max. Loading - total:	515 kg
Vacuum relief opening:	2 (1 automatic, 1 manual)
Access port:	3
Access port position:	rear x 1, bottom x 2
Access port diameter:	17
Casters:	4 (2 height adjustable feet)
Power failure:	O-A-F
Temperature too high:	O-A-F
Temperature too low:	O-A-F
Filter:	Filterless
Door open:	O-A
Power supply:	230 V / 50 Hz
Volume:	52 dB [A]

Additional Information

No.	PH-0018
Manufacturer (Brand)	PHC
old neoLab article no.	7-6012
EAN	4066292144187
Transport temperature	Room temperature
Material	Steel
Temp MAX	-50 °C
Temp MIN	-86 °C
Wide	882 mm
Width/inside	600 mm
Height	1993 mm
Height inside	1231.0 mm
Length	1030 mm
Depth	1030 mm
Depth inside	870 mm
Operation via	Touchscreen
Weight	328 kg
Refrigerant medium	Refrigerant (closed system)
Refrigerant closed system	HFC mixed
Length inside	870 mm
Voltage	230 V
Type interface	USB
Refrigerators and freezers features	with infinitely variable temperature control with separate inner doors with potential-free contact for remote alarm with integrated data memory with interface with rollers with feed-through option with alarm function
Number of implementation options	3
Quantity compressors	2
DM MAX Implementation option	17 mm

Devices self cooling	Air cooling
Interior	Compartments with door
Capacity for 50 boxes	576
Page door suspension	right
Positioning variants	single
Type refrigerator / freezer	Ultra Deep Freezer/ Deep Freezer
Volume freezer / refrigerator	729 l

