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Umsatzsteuer-
Identifikationsnummer
:
DE 143 450 657



PHC VIP Eco Freezer ultra-low freezer, -86°C, 528 liters

**Price on
request
plus VAT &
Shipping**

Product Images



Description

The VIP ECO ultra-low temperature freezers are specially manufactured for efficient and environmentally conscious sample storage, maximizing storage capacity and small footprint. The VIP ECO units have low waste heat and feature low operating costs. The large LCD touch screen allows easy operation, with a comprehensive alarm system and self-diagnostic functions.

Optionally, the VIP ECO freezers can be equipped with **HYBRID water cooling**. The PHCbi HYBRID-Solution not only enables further energy savings, but also flexible air- or water-cooled and, above all, uninterrupted operation, e.g. in the event of failure of the on-site water-ring infrastructure.

Inverter technology and uniform sample storage

While conventional freezers use single-speed compressors that cycle on and off, the MDF-DU502VH VIP ECO ULT freezer incorporates inverter compressors that can run at different speeds to maximize cooling performance under various conditions. Combined with hydrocarbon refrigerants, these compressors provide highly efficient energy use and reduced heat dissipation.

Smart interface and easy data monitoring

Thanks to the EZ handle, accessing stored samples is even easier. A color LCD touchscreen allows full user control even with gloved hands, while a USB port makes transferring logged data to a PC simple and hassle-free.

Efficient and flexible sample storage

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

Exterior dimensions (W x D x H):	790 x 882 x 1993 mm
Interior dimensions (W x D x H):	630 x 600 x 1400 mm
Volume:	528 l
Net weight (approx.):	246 kg
Max. Capacity 2" boxes:	384
Temperature control range:	-50 to -86 °C
Controller:	Microprocessor, non-volatile memory
Display:	LCD touch screen
Temperature sensor:	Pt-1000
Cooling system:	Cascade
High pressure compressor:	2 x 750 W
Coolant:	HC
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:	415 kg
Vacuum relief opening:	J
Access port:	2
Access port position:	rear x 1, Bottom x 2
Access port diameter:	17
Castors:	4 (2 height adjustable feet)
Power failure:	O-A-F
Temperature too high:	O-A-F
Temperature too low:	O-A-F
Filter:	O-A
Door open:	O-A
Power supply:	230 V / 50 Hz
Volume:	< 52 dB [A]

Additional Information

No.	PH-0015
Manufacturer (Brand)	PHC
old neoLab article no.	7-6020
EAN	4066292144156
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	1400.0 mm
Length	790 mm
Depth	790 mm
Depth inside	630 mm
Operation via	Touchscreen
Weight	246 kg
Refrigerant medium	Refrigerant (closed system)
Refrigerant closed system	HFC mixed
Length inside	630 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
Quantity compressors	2
DM MAX Implementation option	17 mm
Devices self cooling	Air cooling

Interior	Compartments with door
Capacity for 50 boxes	384
Page door suspension	right
Positioning variants	single
Type refrigerator / freezer	Ultra Deep Freezer / Deep Freezer
Volume freezer / refrigerator	528 l

