

Biomedical

VTS 098



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VTS 098

Premium Ultra Low Temperature –86° Freezer

The ultra low temperature undercounter cabinet is designed as a personal freezer for everyday use suitable for storage of sensitive articles such as research samples, chemicals and viruses where contents must remain changeless. Among many useful features, the VTS freezer is equipped with a new biomedical controller and intuitive black touch display, USB port and MODBUS connectivity feature. Energysaving LED lights enable the user full visibility of stored contents.

- 🔍 **Small footprint**
- 🔍 **Vacuum release port**
- 🔍 **Data logging with USB extraction**



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Construction	Value
Dimension	825x595x645 mm
Dimension inner	630x435x428 mm
Weight	87 / 61 gross/net
Package weight	N/A kg
Material inner cabinet	Stainless steel Kg. gross/net
Material outer cabinet	Stainless steel Kg. gross/net
Insulation thickness	80 mm
Type of packaging	Cardboard, EPS, Vinyl bag, wooden pallet
Mobility	Feet

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Storage ULT	Value
Volume	92 / 92 Gross/net
Cryoboxes "2	63
2 ml vials	6300

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Features	Value
Lock	✓
LED light	✓
Battery backup	✓
Porthole	✓
Porthole size	15 mm
Dry contact	✓
Door reversibility	—
Vacuum valve	—
VIP (Vacuum Insulated Panel)	—

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Alarms	Value
High / Low temperature	✓
Open door	✓
Power failure	✓
Probe failure	✓

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Test	Value
Voltage	220-240 V
Frequency	50 Hz
Max ambient	30 °C
Max Humidity	65 %
Test condition	20

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Operation	Value
Temperature range	-20 to -86 °C
Uniformity in performance	1,7 / -2,6 °C
Pull down time (from test condition to fabric setpoint)	168 Minutes
Hold over time (from fabric SP to 10) empty	102 Minutes
Noise	57 dB
Energy 24 hours	6,5 kWh/24h
Instant Power Consumption	PD 0,75-0,4 / Stable 0,33 kW
Heat Rejection	393 W
K-Value	0,18 W/m ² k

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Cooling components	Value
Refrigerant/amount	Nature R / 109g Type & gram
Number of compressors	1
Variable speed compressor	<input type="checkbox"/>
Internal air distribution (Type)	Static
Evaporator fan	<input type="checkbox"/>
Condensor fan	<input checked="" type="checkbox"/>
Number of probes	1
Defrost	<input type="checkbox"/>

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Controller	Value
Controller	Dixell
USB Connection	Yes
Data connection	MODBUS
Controller abilities	Logging of data & alarms
Controller languages	Digits
Log numbers	35000
Temperature graph in controller	<input type="checkbox"/>



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Established in 1987, Henderson Biomedical is the UK's leading laboratory equipment sales and service provider. Our knowledgeable team can provide you with excellent sales advice on a range of different types of laboratory equipment including centrifuges, refrigerators, freezers and heat sealers.

Henderson Biomedical is also able to provide you with first class after-sales service and calibration of your laboratory equipment. We are an **ISO 17025 (UKAS) accredited calibration test laboratory** and our team of Field Service Engineers cover the whole of the United Kingdom.

Please contact us for more information on the types of equipment we supply and the different after-sales services we can offer.

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