



BIOMEDICAL

# VT 546

## BIOMEDICAL CHEST FREEZER

The VT low temperature freezers creates the possibility to maintain temperatures as low as -45°C. Supreme stability, reliability, user-friendliness and ease of cleaning make these freezers an ideal solution for laboratories and hospitals.

-25°C  
-45°C



### DIMENSIONS

Outer Dimensions HxWxD, mm	932x1664x665
Inner Dimensions HxWxD, mm	670x1500x500
Weight Gross/Net, kg	123 / 107
Material inner cabinet	Painted Steel
Material outer cabinet	Painted Steel
Packaging weight, kg	16
Packaging dimensions HxWxD, mm	1020x1715x785
Insulation thickness, mm	80
Insulation type	Polyurethane with Cyclopentane
Mobility / Castors	Yes
Refrigerant, Type	R290
Number of compressors	1
Internal Air Distribution	Static
Number of Probes	1

### CONTROLLER

Controller	XR30CX
Controller language	No language - only 3 digits
USB Connection	No
Logging	No
Temperature Graph	No
High/Low Temp. Alarm	Yes
Open Door Alarm	No
Probe Failure Alarm	Yes
Power Failure Alarm	No

### STORAGE

Volume, Gross/net, L	495
Baskets	3
Basket material	Steel coated with plastic powder
Inner lids	No

### FEATURES

Lock	Yes
LED Light	No
Battery Backup for Controller, 24h	No
Porthole	Yes - Ø 12 mm
Dry Contact	No
Door	Solid
Door Reversibility	N/A



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<b>Frequency</b>	Hz	50Hz
<b>Max Ambient</b>	°C	30°C
<b>Max Humidity</b>	% rh	55%
<b>PERFORMANCE</b>		
<b>All data in RT20°C</b>		
<b>Temperature Range</b>	°C	-25 to -45
<b>Uniformity in performance - difference +/- from Avg set point</b>	°C	2,7
<b>Pull down time (from 25 to factory setpoint)</b>	Minutes	169
<b>Hold over time (from factory SP to -25, -40 and -60) Empty</b>	Minutes	136-142
<b>Refrigerant</b>		R290
<b>Number of probes</b>	pcs	1
<b>Defrost</b>	y/n	No
<b>Internal air distribution</b>		Static
<b>Number of compressors</b>	pcs	1
<b>Safety thermostat</b>	y/n	No
<b>Energy 24 hours</b>	kWh/24h	4,158
<b>Energy year</b>	kWh/year	1517,67