EMSAS ®

MEDICAL COOLING & HEATING SYSTEMS

www.emsas-as.com.tr

ULT Serie
(-50°C / -86°C)

• Ultra low freezers have net volume of 288, 470 and 730 liters as vertical and 267 liters as horizontal.

• The temperature set value can be adjusted the range of -50°c and -86°c on the device's screen.

• The device roll out from our factory by being set to -86°c.

• The inner surface of the device is made of cr-ni alloyed stainless steel material. The outer surface is made of sheet material painted with antibacterial electrostatic powder paint.

• The thermostat which sends data to the control panel of the device, measures with sensitivity of 0.1°c.

• The inner cabin is cooled by the static direct cooling method with the cooling pipes surrounding the cabin.

• The device has cascade cooling system.

• The temperature/time graph of the last 140 minutes can be seen on the screen of the device.

• The device has usb port for recording temperature data. 30 days of temperature data can be recorded to usb memory.

• Pt100 temperature sensor is used in the device.

• 12 cm polyurethane foam is used for good insulation in the device.

• There are two sealing gaskets in order to improve the insulation on the door part of the device.

• Insulating material covers are used in the cubicle of the device, so that the temperature in the cabin does not rise too much when the door of the device is opened.

• Covers with insulating material are used in the cell of the device so that the temperature inside the cabinet does not rise too much when the door of the device is opened.

• The device is microprocessor controlled.

• Every step is done with encryption method in order to prevent unauthorized people from using the device.

• There are 2 free wheels and 2 stoppers wheels for easy transport of the device.

• There is an automatically charged accumulator system on the control panel of the device. This system ensures that the digital control panel continues to operate for 72 hours in case of power failure.

• The device gives warning with visual and audible warning signals when the upper and lower temperature limits are exceeded, when the door of the device is left open, when there is a power cut or low voltage problem while the ultra low freezers are operating. It sends the error codes to the screen, the thermal printer and the files received from the usb.

ULT 730

YULT 350
(-50°C / -86°C)

OPTIONAL SHELVES

ULT 470
(-50°C / -86°C)

ULT 730
(-50°C / -86°C)

MODEL	CHEST ULTRA LOW FREEZER	VERTICAL ULTRA LOW FREEZERS		
	YULT 350	**ULT 200**	**ULT 470**	**ULT 730**
Temperature Range	-50°C / -86°C	-50°C / -86°C	-50°C / -86°C	-50°C / -86°C
Set Point	-80°C	-80°C	-80°C	-80°C
External Dimensions (WxLxH) mm	1794x800x840	765x760x1610	918x862x1920	910x1100x1995
Internal Dimensions (WxLxH) mm	1060x515x640	525x610x900	670x595x1205	670x850x1285
Volume	267 L	288 L	470 L	730 L
Polyurathane (mm)	120 mm	120 mm	120 mm	120 mm
Packaged Dimensions (WxLxH) mm	1850x850x900	910x870x1930 mm	910x870x1930 mm	990x1000x1980 mm
Gross (KG)	200 KG	225 KG	265 KG	285 KG
Interior Lighting	-	-	-	-
Door Lock	+	+	+	+
Alarm	+	+	+	+
Internal Surface	Stainless Steel Cr-Ni 304	Stainless Steel Cr-Ni 304	Stainless Steel Cr-Ni 304	Stainless Steel Cr-Ni 304
External Surface	Galvanized sheet with electrostatic paint	Galvanized sheet with electrostatic paint	Galvanized sheet with electrostatic paint	Galvanized sheet with electrostatic paint
Heating / Cooling System	Cascade	Cascade	Cascade	Cascade
Insulation	CFC Free - Polyurathane	CFC Free - Polyurathane	CFC Free - Polyurathane	CFC Free - Polyurathane
Shelves	4 Pcs	3 Pcs	4 Pcs	4 Pcs
Screen	5,5 Touch Tft Screen	5,5 Touch Tft Screen	5,5 Touch Tft Screen	5,5 Touch Tft Screen
Graphical Screen	+	+	+	+
PC Connection	USB	USB	USB	USB
Castors	2 Braked , 2 Regular	2 Braked , 2 Regular	2 Braked , 2 Regular	2 Braked , 2 Regular
Temperature Sensor	PT100	PT100	PT100	PT100
Control System	Microprocessor Control	Microprocessor Control	Microprocessor Control	Microprocessor Control
Voltage	220v-50hz	220v-50hz	220v-50hz	220v-50hz
Cooling Gas	R404a/r508b	R404a/r508b	R404a/r508b	R404a/r508b
Natural Gas	Optional	Optional	Optional	Optional

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