



EMSAŞ SINCE 1975®

2019

MEDICAL COOLING & HEATING SYSTEMS

BREAST MILK STORAGE

WATERBATH-ETUV

COOLED INCUBATOR

LABORATORY - PHARMACY REFRIGERATOR

DEEP FREEZER

BLOOD BANK REFRIGERATOR

PLATELET THROMBOCYTE AGITATOR - INCUBATOR

PLASMA THAWER

quality &
safe protection



EE serie

Our laboratory freezers are produced with 3 different capacity option.

- The outer surface of the device is made of galvanized steel, painted with electrostatic paint to protect against rust. The inner surface is produced of stainless steel.
- The device operates with 195-230 V/50 Hz network voltage.
- The door of the device comes with a high density polyurethane filling insulation, which has a heating surface and magnetic seal rings to provide impermeability.
- The inner shelf system has been produced of stainless steel material. It has been designed in ergonomics for speeding up the air circulation.
- The deep freezer provides the opportunity to store between -5°C /-30°C.
- The insulation of the deep freezer is provided with a high density of polyurethane material.
- The device works smooth and quietly.
- There is a filter warning indicator showing the air filter status on the front control panel of the device. The air filter is easily removable and washable.
- The device has full automatic defrost system in order to protect the productivity of the cooling evaporator.
- A user-friendly digital control panel with a micro processor has been used on the device. This system can keep the data in memory for 30 days.
- There is a USB socket to transfer the cabinet temperature information to the computer when requested. In this way, the 10 year old temperature records can be transferred to the PC in excel format.
- The thermostat at the control panel of the device can make measurements with 0.1 degrees sensitivity.
- There is an accumulator system charged automatically at the control panel of the device. This system allows the control panel and thermal printer (if available) to operate for 24 hours when the electricity cuts off.
- The freezer alerts you with visual and audio signals when the lower and upper temperature limits are exceeded, the door of the device is left open, low voltage and/or electricity cut off problems occurs.
- The refrigerant and the insulation of the deep freezer do not contain CFC gas which is harmful for the OZONE.
- There are two braked and two regular castors on the device that provide easy portability.
- As per request of the user, a thermal printer can be installed at the device. The numerical printout of the recorded data can be taken with the thermal printer.
- All medical devices produced by Emsas are guaranteed for 2 years.
- All our products are produced in line with the ISO 9001:2008, TSE service place competence certificates. Our deep freezers have CE certificates.
- Adjustable shelves feature is standard. The shelf quantities can be changed according to the customer demand as optional feature.



EE 100



EE 150



EE 600



EE 300

MODEL		EE 100	EE 150	EE 300	EE 600
Temperature Sensor		NTC	NTC	NTC	NTC
Temperature Adjustment Range	°C	-5/-30 °C	-5/-30 °C	-5/-30 °C	-5/-30 °C
Cooling System		R404A	R404A	R404A	R404A
Alarm (temperature, Open Door, Electricity)		Visual and Audio	Visual and Audio	Visual and Audio	Visual and Audio
Insulation mm		60	100	100	80
Digital Microprocessor Control		+	+	+	+
Thermal Printer		Optional	Optional	Optional	Optional
PC Connection		USB	USB	USB	USB
Voltage		230 V - 50 Hz	230 V - 50 Hz	230 V - 50 Hz	230 V - 50 Hz
Internal Surface Structure		Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
External Surface Structure		Epoxy-Polyester Electrostatic Painted Stainless Steel	Epoxy-Polyester Electrostatic Painted Stainless Steel	Epoxy-Polyester Electrostatic Painted Stainless Steel	Epoxy-Polyester Electrostatic Painted Stainless Steel
External Dimensions	WxLxH mm	600 x660x1130	600 x650x1700	765x820x2000	923x820x2000
Internal Dimensions	WxLxH mm	475x425x560	450x460x1000	565x540x1190	753x630x1427
Packed Dimensions	WxLxH mm	650x710x1260	610x700x1800	775x865x2020	943x840x2020
Gross Volume	L	131	207	380	677
Net Volume	L	113	180	363	590
Weight	Kg	95	120	165	200

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ISO 9001:2008

ISO 13485



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