



**EMSAŞ** SINCE 1975®

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/50-60 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 devices has door lock system with key.
- 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. Set temperature -20°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 automaticdefrost 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 degreesensitivity.
- 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   | 402   | 677   |
| Net Volume                                  | L        | 113   | 180   | 348   | 590   |
| Weight                                      | Kg       | 95  | 120   | 165   | 200   |

Factory Adress: Muradiye Sanayi Bölgesi Muradiye Mahallesi  
28 Sokak No:6 Yunusemre - MANİSA / TURKEY  
Factory Phone: +90 (236) 214 03 96 - 97 - 98 Fax: +90 (236) 214 07 06  
İzmir Phone: +90 (232) 479 55 22 - 479 55 23  
E-mail: [export1@emsas-as.com.tr](mailto:export1@emsas-as.com.tr)



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ISO 9001:2008

ISO 13485



MEDICAL COOLING & HEATING SYSTEMS

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