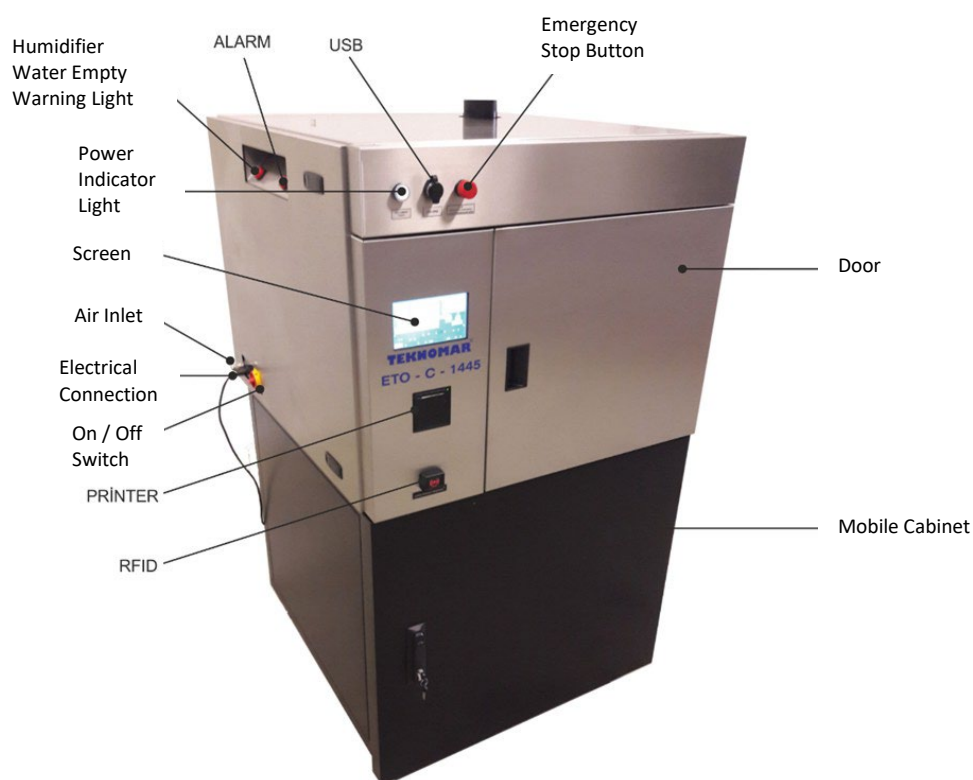


# ETO C 1445

## HOSPITAL TYPE ETHYLENE OXIDE GAS STERILIZATION DEVICE

### Technical Specifications/Datasheet



#### ETO C 1445 INSTALLATION REQUIREMENTS

|                                                    |                                                |
|----------------------------------------------------|------------------------------------------------|
| DRAINAGE SYSTEM                                    | Not Required                                   |
| EXHAUST CONNECTION                                 | PVC Pipe / Stainless Steel Pipe                |
| REQUIRED OPTIMUM EXTERNAL OPERATING AIR PRESSURE   | +4 / +13 or +6 / +8 Bar External Air           |
| DEVICE OPERATING ENVIRONMET TEMPERATURE / HUMIDITY | Temperature: 20°C –30°C<br>Humidity: 30-80 %Rh |

| ETO C 1445 ETHYLENE OXIDE STERILIZATION DEVICE TECHNICAL SPECIFICATION |                                                                                                   |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| PRODUCT NAME                                                           | Ethylene Oxide Sterilization Device                                                               |
| ORIGINAL PRODUCT CODE (P/N)                                            | ETO C 1445                                                                                        |
| PRODUCT BRAND / MODEL                                                  | TEKNOMAR / ETO C 1445                                                                             |
| TYPE (Table Top, Vertical, Block)                                      | Table Top                                                                                         |
| CLASS                                                                  | Class IIb                                                                                         |
| WEIGHT (kg)                                                            | 208 Kg                                                                                            |
| SHELF NUMBER AND TRAY NUMBER                                           | 2 Stainless Steel Trays                                                                           |
| DEVICE INTERIOR AND EXTERIOR DIMENSIONS                                | External Dimensions 940(w) x 960(d) x 780(h) mm<br>Chamber Dimensions 440(w) x 820(d) x 390(h) mm |
| EXHAUST HOOD                                                           | Included                                                                                          |
| DOOR FUNCTION (SINGLE / DOUBLE)                                        | Single Door                                                                                       |
| DOOR WORKING FUNCTION                                                  | Semi-Automatic / Locked                                                                           |
| Chamber Volume (Liter)                                                 | 134 Lt. Prismatic Type (Net Usable Volume)                                                        |

|                                                         |                                                                                                                                          |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| STERILIZATION TEMPERATURE                               | 37-55 °C (±1 °C)                                                                                                                         |
| WORKING SYSTEM                                          | Under Vacuum / -600mBar / Cartridge                                                                                                      |
| WORKING PROGRAM                                         | Vacuum, Humidification, Sterilization, Verification                                                                                      |
| VACUUM TYPE                                             | External 6 Bar Air Vacuum Injection System or Vacuum Pump                                                                                |
| STERILIZATION DURATION                                  | 55 °C 3 Hr / 37 °C 5 Hr                                                                                                                  |
| STERILANT                                               | %100 Ethylene Oxide / 100 gr Aluminum Cartridge                                                                                          |
| STAINLESS STEEL QUALITY (Chamber, Jackets, Door, Outer) | Door 5083 Aluminum or Stainless Steel / Chamber 316 Stainless Steel / Outer 304 Stainless Steel / Outer Frame DKP Electrostatic Paint    |
| PRINTER                                                 | Included, Thermal Printer Paper<br>57mm x 15m / 50mm/seconds                                                                             |
| MENU LANGUAGE                                           | Turkish/English                                                                                                                          |
| LOADING/UNLOADING                                       | Manuel Load/Unload                                                                                                                       |
| WATER CONSUMPTION AND CONNECTION                        | 15 cc water consumption for 20 sterilization cycle / no external water connection required                                               |
| NEUTRALIZATION SYSTEM                                   | Water Processing and Converting to Ethyl Glycol. Water scrubber/abator is included inside the device.                                    |
| POWER CONSUMPTION                                       | Max. 2,2 kW / Cycle                                                                                                                      |
| NUMBER OF AERATION                                      | Min. 3, Max. 99 Units / Time Adjustable                                                                                                  |
| SPECIFICATION OF LOADING SHELVES AND NUMBER             | 2 Units of Stainless Steel Loading Trays<br>Tray Dimensions 385 x 605 x 80 mm                                                            |
| SPECIFICATION OF JACKET AND INSULATION                  | Plates (Thickness of 2,5 cm)                                                                                                             |
| PROGRAM NUMBER                                          | 2 Programs at 37°C & 55°C / Adjustable Temperature and Duration Programs                                                                 |
| TEMPERATURE SENSOR                                      | PT100                                                                                                                                    |
| PASSWORD FUNCTION                                       | Password Security Level Protection Panel                                                                                                 |
| SOFTWARE                                                | PLC / HMI                                                                                                                                |
| WARNINGS (Screen Visual & Audio)                        | No Gas<br>Cartridge Check<br>No Water<br>No Air<br>Vacuum Warning<br>Door Condition Check / Leakage Check<br>Sterilization Not Completed |
| ELECTRONIC SPECIFICATIONS                               | PLC + 14 bit Analog Module, 14 input 10 output                                                                                           |
| RS232 and Software Connection                           | RS232 Connection                                                                                                                         |

|                                                          |                                                                                                                           |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>SPECIFICATION OF CONTROL PANEL (LCD/Touch screen)</b> | Colorful LCD Touch Screen, Graphic Function Display                                                                       |
| <b>GASKET SYSTEM</b>                                     | ETO Gas Resistant Silicone Cap Gasket / Rubber Gasket                                                                     |
| <b>DOOR LOCKING MECHANISM</b>                            | Latch, Secure Locking Mechanism                                                                                           |
| <b>CONSUMPTION / CYCLE (ppm)</b>                         | 740 ppm ( $\pm 5$ ) / %100 ETO 100 gr.                                                                                    |
| <b>ELECTRICAL CONNECTIONS</b>                            | 220 V AC / 50 Hz Max 2.2 kW                                                                                               |
| <b>SAFETY CLASS</b>                                      | IP20                                                                                                                      |
| <b>BARCODE READER</b>                                    | Included                                                                                                                  |
| <b>VALIDATION</b>                                        | Standard / Additionally done by Customer Preferences                                                                      |
| <b>QUALITY CERTIFICATES</b>                              | ISO 9001<br>ISO 13485<br>CE 1984<br>Domestic Product Certificate                                                          |
| <b>OTHER TECHNICAL SPECIFICATIONS (OPTIONAL)</b>         | It can work with EO cartridges and tubes can be controlled and connected remotely, can be connected to hospital equipment |
| <b>ACCESSORY (OPTIONAL)</b>                              | Basket trrolley, cabinet base table                                                                                       |