

**TEKNOMAR**<sup>®</sup>  
Group Since 1993

**LOW TEMPERATURE INDUSTRIAL TYPE  
OF  
ETHYLENE OXIDE ( ETO ) GAS STERILIZERS**

**PROFESSIONAL HANDCRAFTED MANUFACTURING**

**1-5-10-15-20-34-42-62-90-120 m3**

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## ETO C-1445 PRODUCT DESCRIPTIONS AND FEATURES



### MAIN SPECIFICATIONS

- 37-55 C° Operating Temp – Negative Pressure Working Principle
- Sterilizes Humidity and Heat Sensitive Products
- All Stainless Steel Chamber and Parts (316L/304)
- Single or Double Door Selection
- Fireproof High-Tech Electronic Parts
- SCADA Process Control
- Compliance with EN 1422 – ISO 11135 norms
- Compatible With Different EO Gas Mixtures
- Multifunctional Chamber: Preconditioning, Gassing, Aeration in One Chamber
- Complete Dissolution of EO Gas by Enhanced Neutralization Technique
- Water Scrubber Method
- CE marked
- Safe, Reliable , Accurate and Durable Sterilization Solution
- Detailed Reporting Function
- Easy Loading and Unloading Roller Systems
- Validation and Calibration Guaranteed For Different Products
- 6-8 Hours of Sterilization Duration
- Easy to Operate with Full Colored Wide Touch Screen Panel
- PLC Process Controlling
- Printer
- Personal Safety Features-

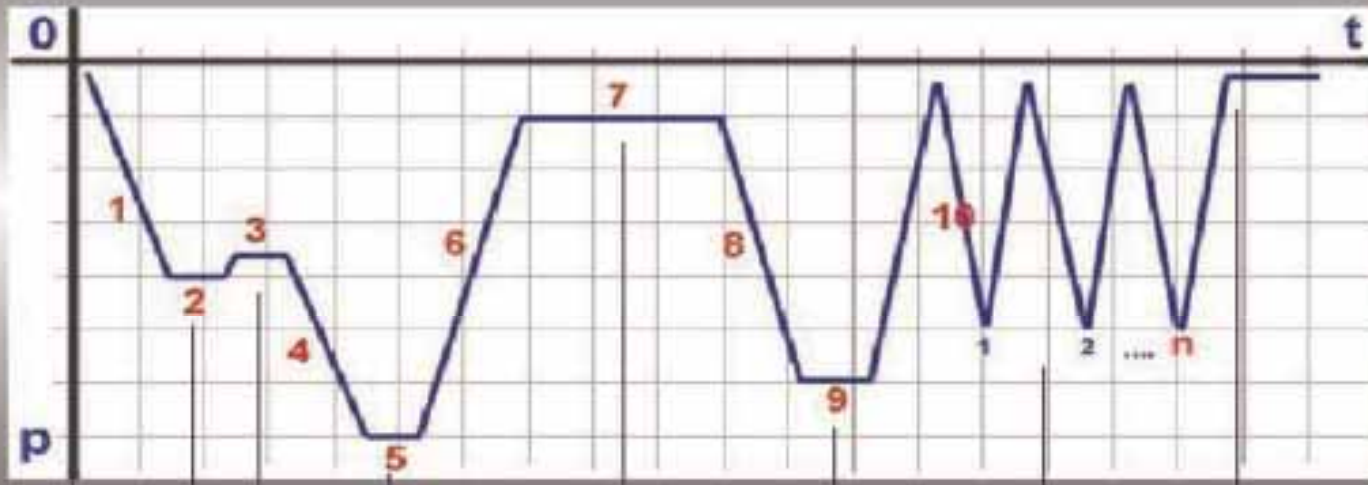
## DIMENSIONS OF CHAMBER :

| TEKNOMAR BRAND INDUSTRIAL TYPE<br>ETO-C 1445 |        |        | INTERIOR CHAMBER DIMENSIONS ( CM ) |       |     |
|--|--------|--------|------------------------------------|-------|-----|
| M3   | PALLET | DOOR   | W                                  | D     | H   |
| 1,0  |        | Single | 90                                 | 110   | 100 |
| 2,0  |        | Single | 120                                | 120   | 140 |
| 5,0  |        | Single | 135                                | 275   | 135 |
| 10,5   | 4      | Single | 180                                | 260   | 220 |
| 10,5   | 4      | Double | 180                                | 260   | 220 |
| 15,5   | 6      | Single | 180                                | 390   | 220 |
| 15,5   | 6      | Double | 180                                | 390   | 220 |
| 20,5   | 8      | Single | 180                                | 520   | 220 |
| 20,5   | 8      | Double | 180                                | 520   | 220 |
| 27   | 10     | Double | 220                                | 520   | 220 |
| 34   | 12     | Double | 220                                | 650   | 240 |
| 51   | 18     | Double | 260                                | 775   | 250 |
| 62   | 24     | Double | 260                                | 100,5 | 250 |

**STERILIZATION PROCESS CHART:**

STERILIZATION PROCESS CHART

Ready to Start



**SYSTEM DRAWINGS AND VIEWS:**



EQUIPMENT BRANDS:

**FESTO**

**SIEMENS**

**ABB**

**ADVANTECH**



**Reliance**  
Industrial SCADA/HMI systems

**Schneider**  
Electric

**PHOENIX CONTACT**  
INSPIRING INNOVATIONS

**62 M3 STERILIZER DOUBLE DOOR VIEW**



**TWO UNITS OF 62 M3 STERILIZER VIEW DOUBLE DOOR**





## ROLLER SYSTEM VIEW



**TWO UNITS OF 62 M3 DOUBLE DOOR STERILIZER**



**ETO CYCLINDER – SYSTEM SCALE**



**SYSTEM HEATING TANK**



**34 M3 ETO STERILIZER – PRODUCTION VIEW**



**34 M3 STERILIZER MACHINE PARK VIEW – ELECTRICAL BOARD AND KIOSK**



**SAMPLE STERILIZER CALIBRATION AND VALIDATION SERVICE – PROCESS VIEW**



### 34 M3 STERILIZER REAR DOOR VIEW – PNEUMATIC PISTONS





**34 M3 STERILIZER MACHINE PARK VIEW – HEPA FILTER – ENGINES**



**PNEUMATIC NEST FESTO TRADE VIEW**



**34 M3 DOUBLE DOOR ROLLER SYSTEM – FRONT DOOR – MACHINE PARK – ELECTRIC PANEL AND KIOSK**



**62 M3 ETO STERILIZER MANUFACTURING VIEW – WATER CHANNELS**



15 M3 STERILIZER – FULL LOAD – SINGLE DOOR



10 M3 STERILIZER \* DOOR CLOSED VIEW – ETO GAS DETECTOR – KIOSK – ELECTRICAL PANEL



**1.6 M3 – SUTURE STERILIZATION – TRAY VIEWS**



**SUTURE STERILIZATION – NITROGEN – ETO CYLINDER VIEW- SCALE – ETO DETECTOR**



SUTURE STERILIZATION – DOUBLE DOOR – EXHAUST CONNECTION – EO DETECTOR SAMPLE VIEW





15 M3 DOUBLE DOOR VIEW – PNEUMATIC PISTONS – CHANNEL CONNECTIONS – INSULATION – BUFFERING TANK



15 M3 STERILIZER MACHINE PARK VIEW – STEAM GENERATOR- ENGINES- HEATER – SCRUBBER

