

APPLICATION

For sterilizing temperature and moisture sensitive medical supplies using a non-flammable mixture of 88% freon and 12% ethylene oxide as the sterilizing agent. Normal pre-set temperature is 130° F to 140° F (54° C to 60° C) ambient (cold) and 160° F (hot) temperatures may be selected.

SIZE

- 16" x 16" x 26"
(40.64 cm x 40.64 cm x 66.04 cm)
- 20" x 20" x 38"
(50.80 cm x 50.80 cm x 96.52 cm)
- 24" x 36" x 48"
(60.96 cm x 91.44 cm x 121.97 cm)

APPROVALS

The design, material and construction shall meet or exceed ASME requirements and will bear the stamp of approval for unfired pressure vessels. Plumbing and electrical systems are designed to meet all applicable codes.

BODY

Shall be of single wall construction unless otherwise specified. Inner shell and backhead are fabricated using flange quality steel with a tensile strength of 55,000 to 65,000 pounds. Inner shell is clad with pure nickel permanently bonded through the Lukens process to a thickness of .025," (.0635 cm). Seams and joints are welded using nickel heliarc and fusion steel methods. The end ring forming the housing for the locking arms and door gasket surface is ¼" thick (.635 cm) solid monel.

PANELING

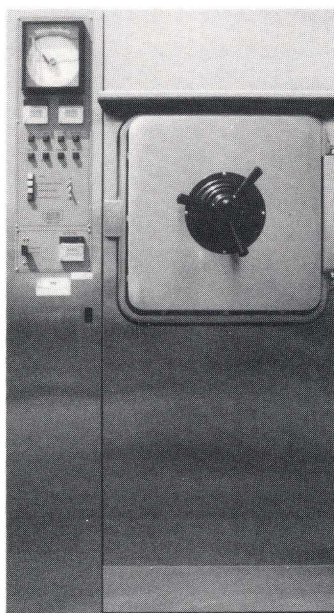
- Polished stainless steel
- Heat resistant paint lock finish, light grey. Door locking arms are concealed with a one piece stainless steel cover.

SAFETY DOOR

Shall be fabricated from type 303 stainless steel with a machined gasket groove. Closing mechanism consists of cast bronze hub with three (3) bakelite handles to operate type 303 stainless steel locking arms. Door hinge is stainless steel with adjustments for vertical and horizontal alignment. An internal pressure lock prevents door from being opened when chamber is pressurized. Door gasket can be replaced without tools.

AUTOMATIC CONTROLS

All industrial grade controls are used. Push buttons will control the cycle. When the door is closed and locked the cycle is initiated. Pre-vacuum and pre-conditioning, exposure and evacuation. The evacuation cycle is set to purge the load a minimum of four times and is programmable up to 99 times, to remove residual ETO before the operator opens the door to unload the unit. An extended cycle timer is provided for contaminated loads.



A chamber pressure gauge is provided and is visible to the operator. A cycle recorder is mounted in the control panel and is visible to the operator. The cycle recorder is the dual pen type to record pressure and temperature. The pens record in contrasting colors for easy distinction between pressure and temperature tracings. An audible alarm signals the cycle completion. Cycle mode indicator lamps provide at a glance cycle progress. Timers automatically re-set.

Automatic aeration time may be selected. When selected, aeration starts at the end of the sterilize cycle and continues until the set time on the aeration timer expires. Post purge pulses are standard. Abort/post purge repeat cycles are standard. Liquid/gas separator tank is provided. An exhaust hood with exhaust fan over the door is provided. Precise temperature control, no spikes or hot spots. Unique humidity control.

MOUNTING

- Single door recessed
- Double door recessed one wall
- Single door cabinetized
- Double door cabinetized
- Double door recessed two walls
- Bottom shelf
- Bottom shelf with removable upper shelf
- Extendable shelf(s)
- Load car and transfer carriage
- Instrument trays 3' x 12" x 20" (7.62 x 30.48 x 50.8 cm)

Due to continuing engineering improvements the illustration may not depict the actual unit furnished.