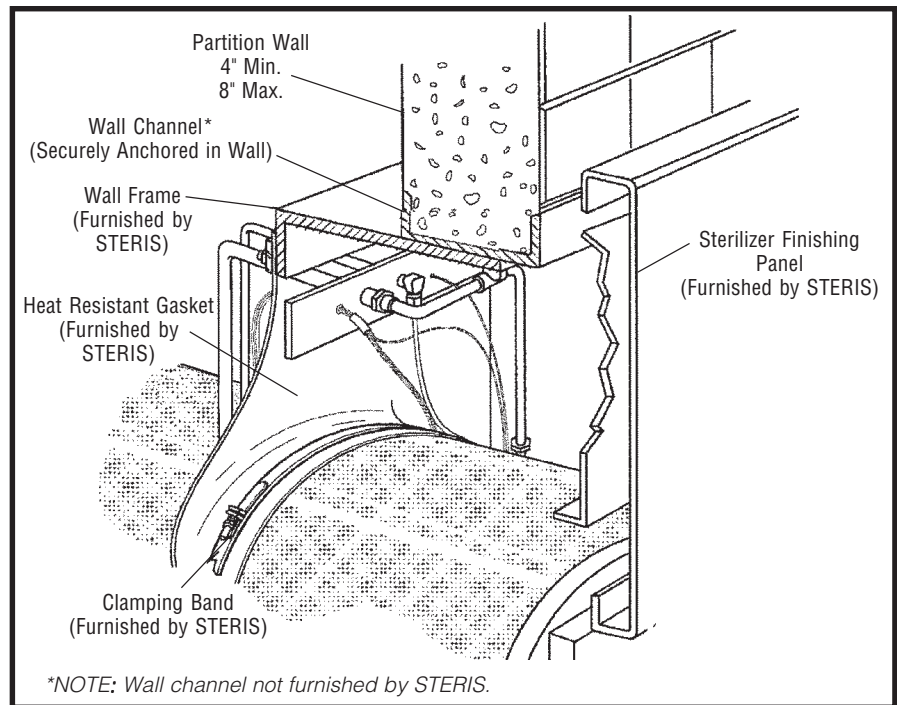


APPLICATION

Amsco Century Bio-Seal Devices are for double door Century small and medium steam sterilizers used by research laboratories and industrial facilities requiring stringent separation of work areas for either biohazard or bioburden control.

The Bio-Seal is normally installed on the **non-operating end** of the sterilizer. Systems consist of either a seal with door interlock package or, for less stringent applications, a door interlock package only.

The Bio-Seal is designed for use in BL-3 and BL-4 applications. The seal is designed in accordance with the industry standard Halogen Leak Rate Test (1.8×10^{-6} mL/min.) requirements.



(Typical only - some details may vary.)

DESCRIPTION

Bio-Seal (Sealing Flange)

The Bio-Seal provides a biological barrier to prevent passage of airborne microorganisms from space between the vessel body and the structural wall opening. The seal is located at the non-operating end (the unload side of the vessel).

Door Interlock System

The door interlock system protects against the passage of airborne microorganisms or particulate matter from one work area to another through the vessel chamber. The interlock system prevents the opening of both sterilizer doors simultaneously and the opening of the non-operating end door until the load has been exposed to a routine sterilization cycle. The interlock system is interfaced with the Century

microcomputer control. The door condition is indicated on the display panels of both the operating and non-operating side. A tape printout documents the time of day when either door is opened.

FEATURES

Bio-Seal (Sealing Flange)

- **Heat resistant sealing gasket 1/8" (3 mm)** is secured in place by a clamping band, which completely surrounds the sterilizer jacket. The sealing gasket is also sealed to the wall frame (using clamping bars). The sealing gasket allows for construction irregularities and expansion/contraction, and acts as the barrier which separates the sterile and non-sterile areas.

- **Cold-rolled painted 3/8 x 1" (10 x 25 mm) steel clamping bars** (fasteners supplied) fasten gasket. The bars are pre-drilled to match mating studs located on the wall frame. The clamping bars are overlapped for seal enhancement at the corners.
- **Cold-rolled 1/4" (6 mm) thick angle wall frame weldment** is arranged with weld studs to accept outer face of rubber gasket. The wall frame is welded (by third parties) to the steel wall channel. This channel is furnished and installed in the wall by third parties.

The Selections Checked Below Apply To This Equipment

STERILIZER SIZE

- 20x20x38" (508x508x965 mm)
- 26x37.5x48" (660x950x1219 mm)
- 26x37.5x60" (660x950x1524 mm)

OPTIONS

- Door Interlock Only
- Door Interlock and Bio-Seal
- Recessed 1 Wall (all models)
- Recessed 2 Walls (48 and 60" models only)

This Tech Data Supplements Tech Data Checked Below

- SD587
- SD744

Item _____

Location(s) _____

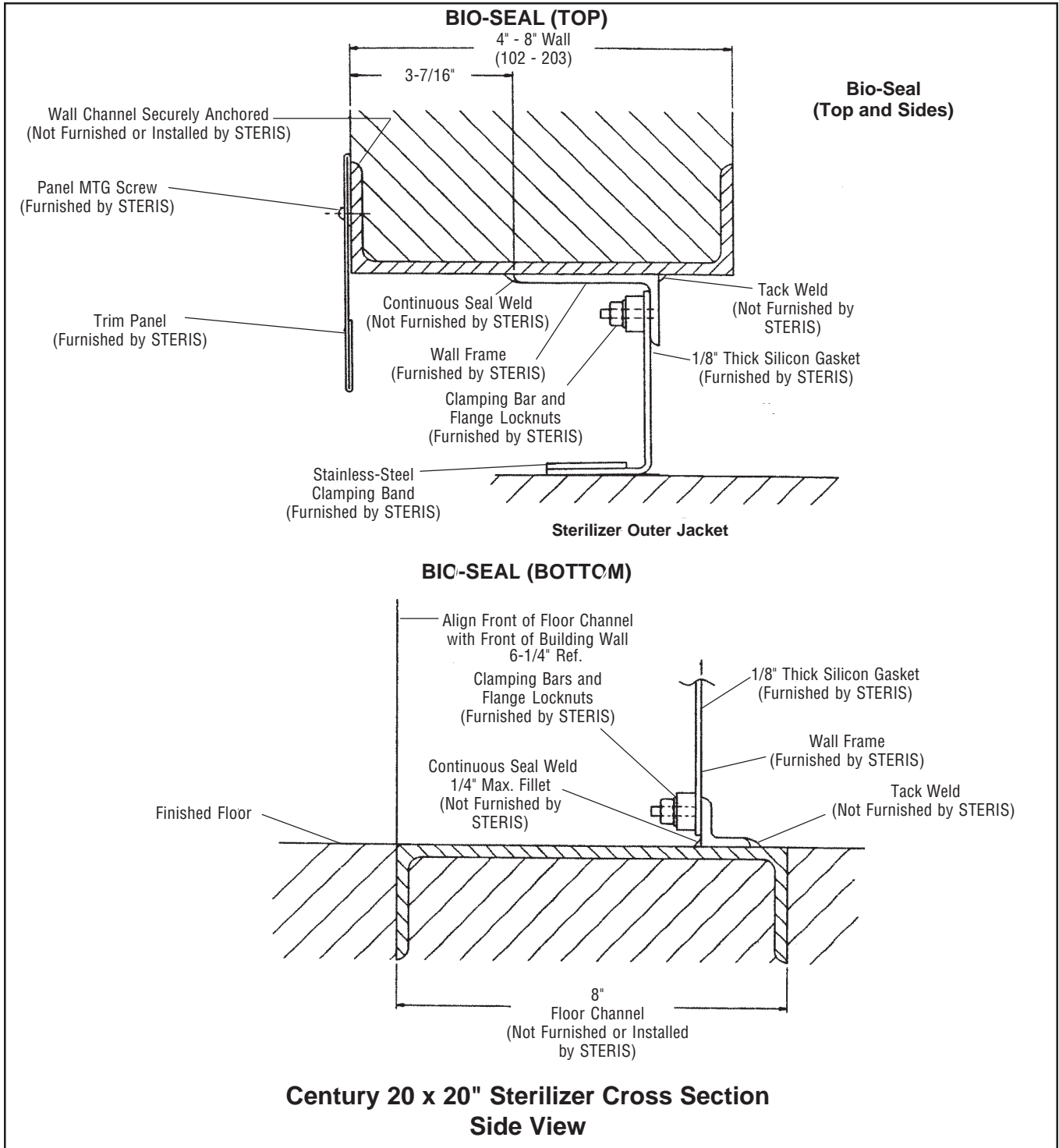
Door Interlock System

- This system prevents inadvertent opening during the sterilization process. The doors are interlocked to prevent both doors from being opened simultaneously. The door interlock feature can be programmed by the customer to

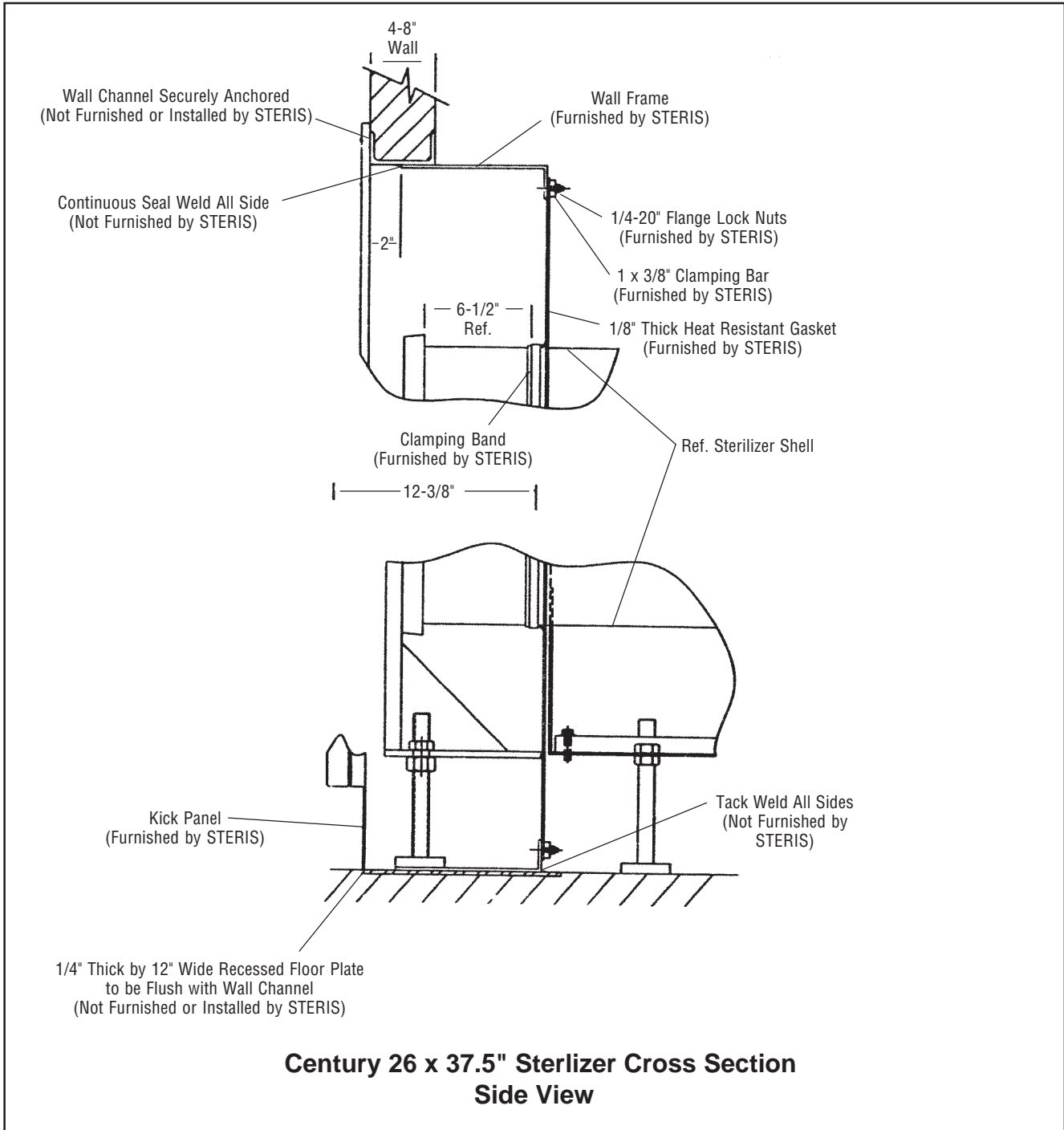
accommodate the desired direction of product flow. The basic logic sequence for the biologic control prevents opening of the sterile side door until completion of a sterilization cycle, once the non-sterile side door is locked. After locking the sterile side door, the non-sterile side door

may be opened. The system also provides for a supervisor-coded bypass command to open both doors simultaneously for maintenance procedures.

Dimensions shown here are typical, and subject to change without notice. REFER TO STERIS EQUIPMENT DRAWINGS FOR COMPLETE AND DETAILED INSTALLATION SPECIFICATIONS.



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