Sterilflo System® Suggested Specification & Configuration

Sterilflo System®

The air distribution and particulate control system(s) for the operating room(s) shall be the Sterilflo System® by Krueger and consist of two interacting air distribution components. The first shall be a non-aspirating, perforated panel providing laminar flow over the operating area and be capable of supplying air velocities not to exceed 40 fpm at operating table height. The second component shall provide a perimeter air curtain from non-adjustable multiple slot panels surrounding the center panels and the operating area. These shall be capable of supplying air velocities not to exceed 50 fpm at operating table height. This curtain will not be vertical, but rather project outward from the operating area at an angle of between 5° and 15°, with the greater angle occurring at isothermal conditions and the smaller angle at up to 20°F cooling. Both the center and perimeter panels shall include an internal method of equalizing air flow through the face.

The air distribution components and the equalizing method shall form a face panel that is removable from the plenum. The face panels shall be retained with 1/4 turn fasteners to facilitate rapid removal for cleaning between procedures and designed so when replacing the face, it cannot be installed backwards. Likewise, each face panel shall be attached to the plenum with a pair of safety cables to allow their safe disassembly. The face panels may be provided in multiple sections to facilitate their removal and cleaning. The plenums shall be supplied by the manufacturer and shall be constructed so that they can easily be hand wiped with germicidal solutions for sterilization purposes. Upper longitudinal corners of the perimeter plenums shall have a minimum 3/4” radius to facilitate this wiping. Perimeter plenums; likewise, shall be sized to permit such manual sterilization. All components of the system likely to see regular sterilization shall be constructed of corrosion resistant stainless steel of a grade known to resist the effects of common hospital germicides.

The installed system shall be based on designs proven to have been tested in accordance with The Recommended Procedure for the Determination of Microbiologic Air Cleanliness, as published by the American College of Surgeons, Committee on Operating Room Environment. The system(s) shall have met the requirements for Class 1 Microbiologic Clean Air as set forth in that procedure. The data supporting these results must be available to the engineer for prior approval.

The manufacturer shall have 1000 or more systems installed that utilize the components of the design.

The manufacturer shall be able to provide, if requested, the services of a qualified factory technician or engineer to certify the correct installation and functionality of the installed system.

1. SERIES: (XXXXXXXXX)
Sterilflo System® - Operating Room Particulate Control Stainless Steel Construction
Startup - Factory Approval of Sterilflo System® Startup

2. WIDTH: (XXX)
48” - 288” in whole inch increments

3. LENGTH: (XXX)
96” - 288” in whole inch increments

4. FINISH: (XX)
4A - British White (antimicrobial)
90 - Polished Mill Finish*

The Sterilflo System® is custom ordered to exact specifications for each application, thus not all available options have been shown.

** All exposed surfaces have a no. 4 scratch finish.*

SAMPLE CONFIGURATION: STERILFLO - 4 - 8 - 01