



Installation and Operation Instructions



NOTE: Read this entire instruction sheet before starting the installation.

AHU Viewport Assembly For up to 3" (7.6 cm) Wall/Panel P/N 90000227

IMPORTANT CONSIDERATIONS

The Steril-Aire AHU Viewport Assembly provides a safe, effective means to view working ultraviolet Emitters inside an air handling unit (AHU) with up to a 3" (7.6 cm) wall thickness. It provides scanning of the interior of the AHU through the viewport without the need to open access panels/doors or disconnecting circuits. Viewports encourage frequent inspection of the UVC Emitters, while offering personnel protection against exposure of UVC light.

Follow all safety codes and any warnings or cautions attached to any accessed area.

Improper installation, adjustment, alteration, service, maintenance, or use may cause personal injury or property damage. Consult a qualified installer, service agency, or your supplier for information or assistance. In

regards to the statement below, understand the signal word **CAUTION**. This word is universally used for overall safety. **CAUTION** is used to identify unsafe practices, which would result in minor personal injury or product and property damage.

CAUTIONS:

- Maintenance personnel must ensure that the UVC light is off prior to working inside the AHU. Never expose eyes or skin to UVC light from any source, as personal injury may result. Wear gloves, face shield/glasses (per ANSI Z87.1) and cover all exposed skin.

INSTALLATION & OPERATION

1. Determine the mounting location of the viewport on the AHU wall/panel to avoid supports and obstacles for an unobstructed field of view of the Steril-Aire UVC Emitters™.
2. Peel the backing off the sticker template and apply the template to the wall/panel where the viewport will be installed. See Figure 1.



Figure 1.

- Cut along the sticker template 10" x 6" (25.4 cm x 15.2 cm) to create hole on the wall/panel. See Figure 2.



Figure 2.

- Insert the viewport into the opening at an angle and tighten metal wingnuts. Do not over tighten wingnuts
- Ensure that the viewport frame is installed square to the AHU wall.
- Clean the viewport and frame as needed.
- Attach UVC Caution Label and Emitter Change Date Label to AHU access panel so they are clearly visible.

SPECIFICATIONS

PANELS: Two layers of precision stamped, hot-dipped galvanized steel. Pressure Limit: Negative 10" – Positive 20" W.G. with no leakage noted.

GASKET: Closed cell neoprene gasket is UL94HF1 listed with a service temperature range of (ASTM D 746) -20°F to 200°F (-29°C to 93°C). The gasket is permanently bonded to the inside panel to eliminate leakage.

BOLTS: Zinc plated carriage bolts are clinched and sealed to the viewport.

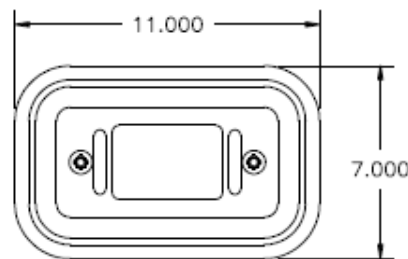
GLASS: Two layers of safety glass 4" x 2-5/8" x 1/4" (10.2 cm x 6.7 cm x .6 cm) are permanently sealed with silicone.

CLIPS: Hot-dipped galvanized steel clips mechanically fasten the safety glass in place.

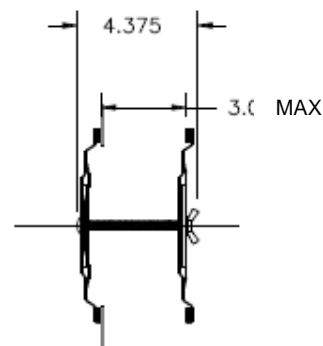
TEMPLATE: Self adhesive template is provided for the exact size of duct opening required.

CAUTION LABEL: 6" x 9" UVC Caution Label

ILLUSTRATIONS



Front View



Side View

Note: All Units in Inches. 10" x 6" Hole Required

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