

Guidelines for Handling and Installation of IGU's with Capillary Tubes

General Information

The use of capillary tubes is required for View Dynamic insulating glass units (IGU's) that will be shipped to elevations 2,500 feet or higher and will be installed at high altitudes. The capillary tube is a small tube (approx. 12" long) inserted into the IGU to relieve pressure that can occur between the panes when at high altitudes.

Handling Instructions

- The capillary tube must be left open - from the factory to its final installation site.
- For vertical applications, with the IGU held in a vertical position, the capillary tube must be sealed by applying a dollop of silicone sealant to the end of the tube. The silicon sealant should be compatible with View's outer sealant Dow Corning 982 Two Part Silicone. Seal the capillary tube when temperatures are moderate (between 50-70°F).
- For IGU's intended for a skylight or sloped application, the capillary tube must be sealed with the unit in a vertical position, **prior** to the final sloped installation of the IGU.
- Capillary tube must **never** be removed, cut or crimped.

Installation Instructions

- The capillary tube is installed on the final closing corner of the IGU and runs down several inches through the secondary seal.
- If the IGU will be installed with the pigtail and capillary tube located at the upper corner of the window opening, glaze the IGU with the tube oriented vertically and pointing downward (*see Figure A*).
- If the IGU will be installed with the capillary tube located on the top corner of the window opening, the capillary tube should be out of horizontal position before installation. The tube should be carefully oriented vertically and pointing downward along the vertical dimension (*see Figure B*).
- If the IGU will be installed with the capillary tube located at the bottom corner of the window opening, the capillary tube should be out of horizontal position before installation. The tube must be oriented vertically by carefully curving the tube to make a “J”. Although the tube is pointing upward, the end of the tube should be pointing down and at least 1 inch from the bottom of the sash to prevent wicking of moisture into the tube (*see Figure C*).

Figure A.

Orientation for a rectangular shape IGU that will be installed with the capillary tube in the upper corner of the window opening.

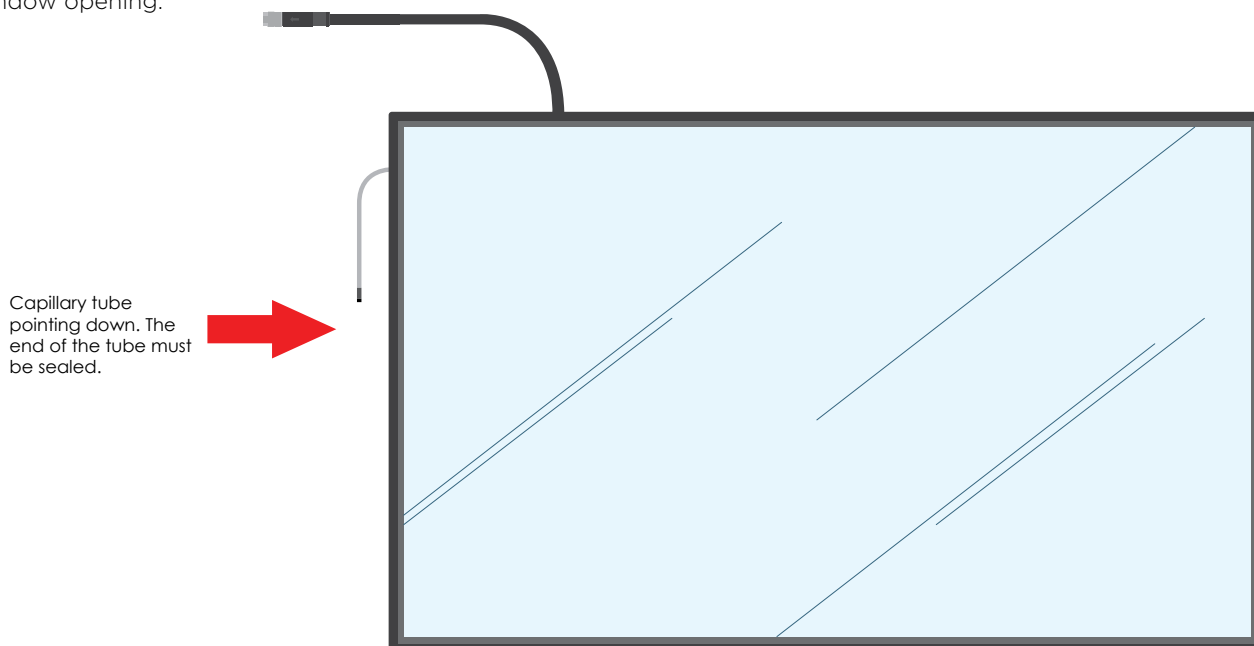


Figure B.

Orientation for a rectangular shape IGU that will be installed with the capillary tube located on the top corner of the window opening. The capillary tube should be out of horizontal position.

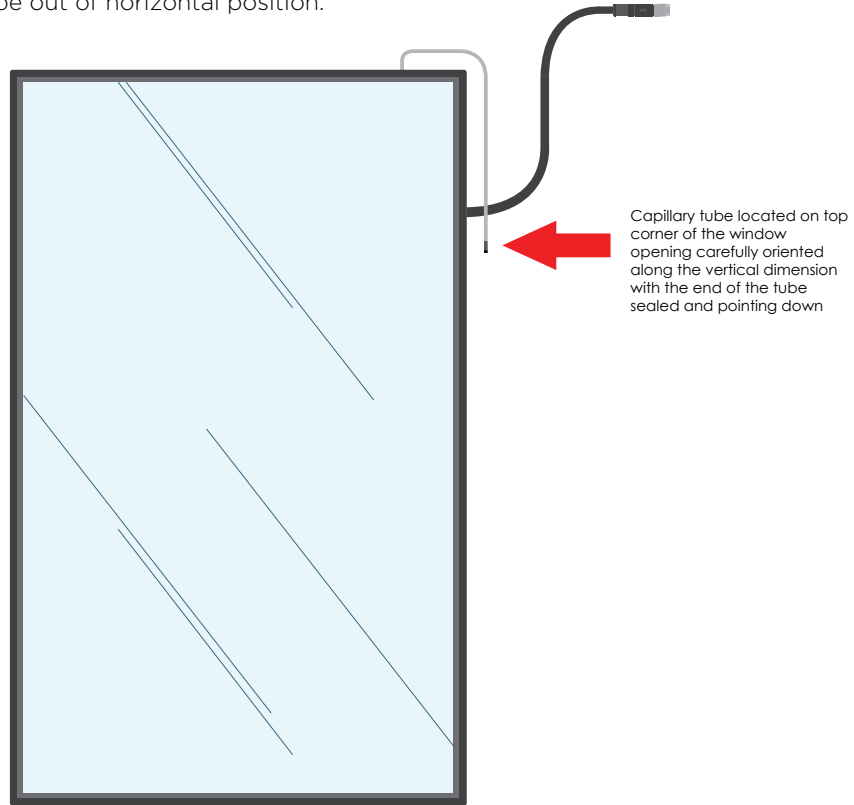
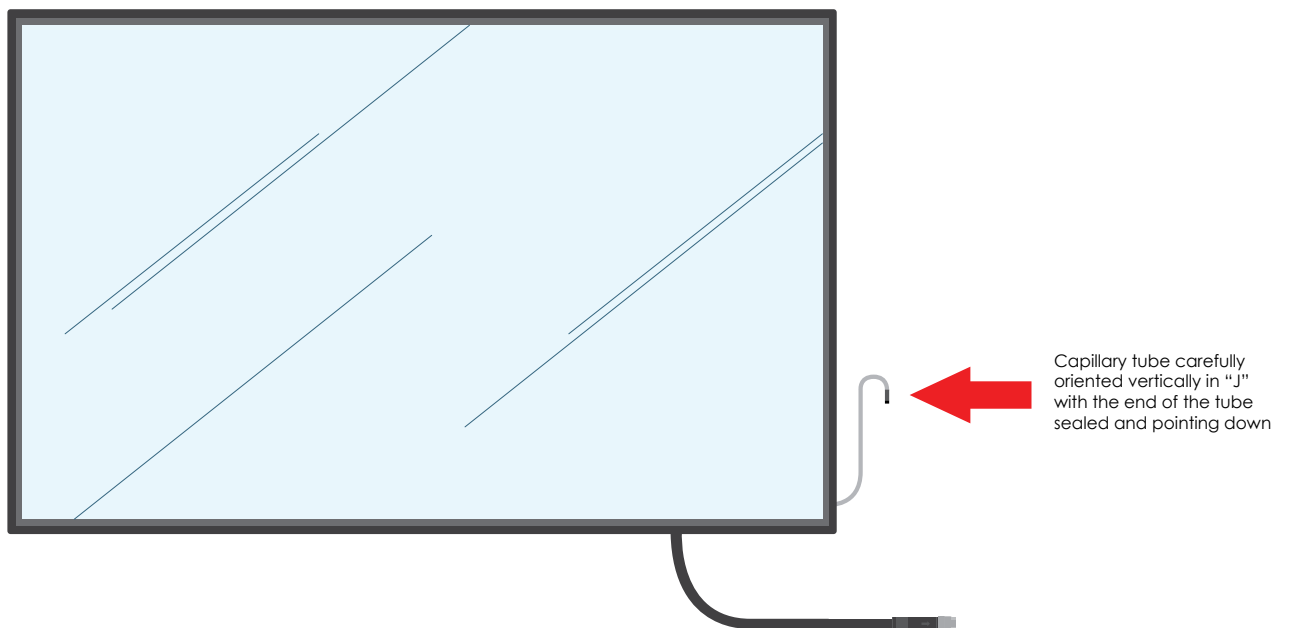


Figure C.

Orientation for a rectangular shape IGU that will be installed with the capillary tube at the bottom corner of the window opening.



Note:

- For certain shapes like triangle and trapezoids, when the capillary tube is located at the bottom corner of an IGU when glazed, the capillary tube should always be outside of the horizontal cavity of the frame. It is important that the capillary tube be carefully oriented in a vertical position. Make sure that the end of the tube is pointing down.
- The View Dynamic Insulated Glass Unit with capillary tube should always be installed in accordance with these guidelines. Failure to seal the capillary tube before installation will void the warranty.