

Marquest Scientific

Model GI

Filling and Installation Procedure

Installation

Installation of the Marquest Gauge Isolator, when purchased without a gauge is accomplished in the following manner:

1. Fill the upper chamber of the Gauge Isolator with a compatible liquid by pouring the fill liquid through the instrument outlet orifice. The spherical design of the chamber will allow the air to evacuate the chamber, providing the orifice is not bridged by the fill liquid. The chamber shall be considered full when the liquid level reaches half way to the top of the thread.
2. The gauge or instrument may be filled in the same manner, although a small probing device may be necessary to evacuate the trapped air. For certain applications where a high degree of accuracy is imperative, the instrument should be filled on a vacuum manifold device.
3. The standard orifices on most gauges are such that the fill liquid will be retained when the orifice is faced down and in position to thread into the Gauge Isolator. Teflon Tape is recommended as the thread sealant. Finger tighten instrument to Gauge Isolator.
NOTE: Air left in the chamber or instrument may cause some loss in accuracy of the instrument reading. However, the internal design features of the Gauge Isolator will tolerate some void of fill liquid.
4. Connect to the processing system using a 1/4" or 1/2" NPT plastic nipple using Teflon tape as the recommended thread sealant.

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