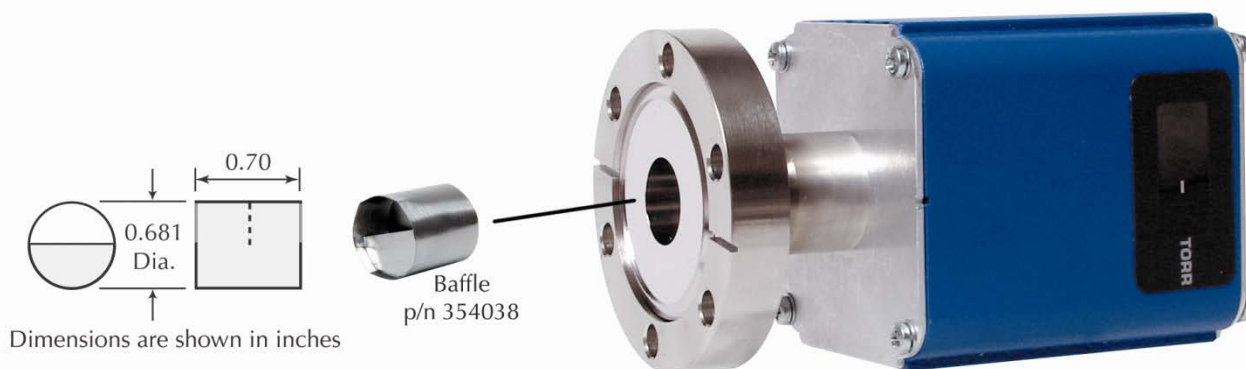


Installation of Gauge Baffle in Micro-Ion® Gauges



Granville-Phillips Micro-Ion Gauge Module and Gauge Baffle

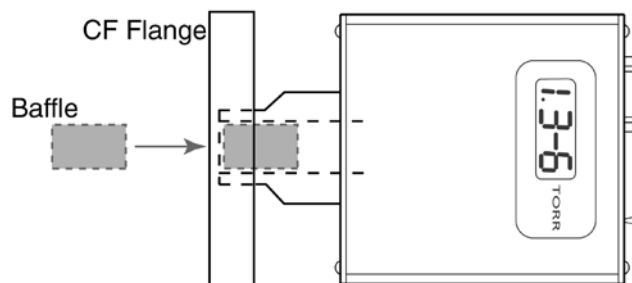
Introduction

The 354038 gauge baffle is designed to reduce the interaction between the vacuum process environment and the gauge environment with respect to light, heat, charged particles, and deposition products. There is also an associated reduction in conductance between the chamber and the gauge of at least 50% and an increase in cold surface area available to adsorb gas species. This will impact the pumpdown rate and vacuum level achieved in the gauge at base pressure. The gauge baffle is vacuum-fired after assembly and packaged ready for installation.

The gauge baffle is for use with Granville-Phillips Micro-Ion Modules with the 1.33 inch or 2.75 inch ConFlat flanges, or Micro-Ion gauges with the 3/4 inch vacuum port. It can also be used with glass Bayard-Alpert gauges that have 3/4 inch vacuum ports.

Installation of the Gauge Baffle

Install the gauge baffle in the gauge port prior to installing the gauge on the vacuum system. The gauge baffle easily slips into the Micro-Ion gauge port as shown in this illustration. Remove the baffle from the sealed packaging, being careful to not contaminate the baffle. Insert the baffle into the gauge port, smooth end first with the serrated end of the baffle toward the entrance of the port. The serrated end of the baffle holds the baffle in place by compression against the wall of the vacuum fitting. Mount the Micro-Ion gauge onto your system.



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Addendum
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