

Installation of Gauge Baffle in Stabil-Ion[®] Gauges



Baffle 360205

Dimensions are shown in inches

Granville-Phillips[®] Stabil-Ion Gauge and Gauge Baffle

Introduction

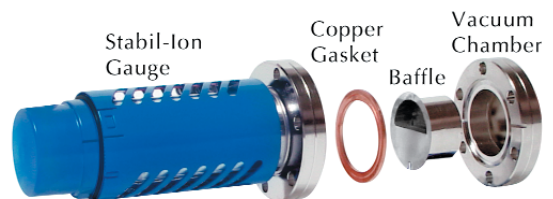
The 360205 gauge baffle is designed to reduce the interaction between the vacuum process environment and the gauge environment with respect to light, heat, charged particles and deposition products. There is also an associated reduction in conductance between the vacuum chamber and the gauge of at least 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 baffle is vacuum fired after assembly and packaged ready for installation.

The baffle is for use with Granville-Phillips Stabil-Ion Gauges with 2.75 inch ConFlat[®] (NW35CF) or NW40KF fittings. It can also be used with Micro-Ion[®] Gauges and Micro-Ion Modules with these fittings. It relies on the ConFlat gasket or the KF centering ring to hold the baffle in place.

Installation of the gauge baffle

The gauge baffle easily slips into the 2.75 inch ConFlat port on your vacuum chamber as shown in this illustration.

Remove the baffle from the sealed packaging, being careful not to contaminate the baffle. Insert the baffle into the ConFlat port on the vacuum chamber, with the flanged end of the baffle toward the entrance of the gauge. Be sure that the baffle's flange does not overlap the sealing surfaces of the fittings, possibly causing a leak or damage to the knife edge. Install a new copper gasket and mount the Stabil-Ion Gauge onto the vacuum chamber.



NOTE:

The vacuum chamber port must have a minimum inside diameter of 1.32 inches and a depth of .87 inch.

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