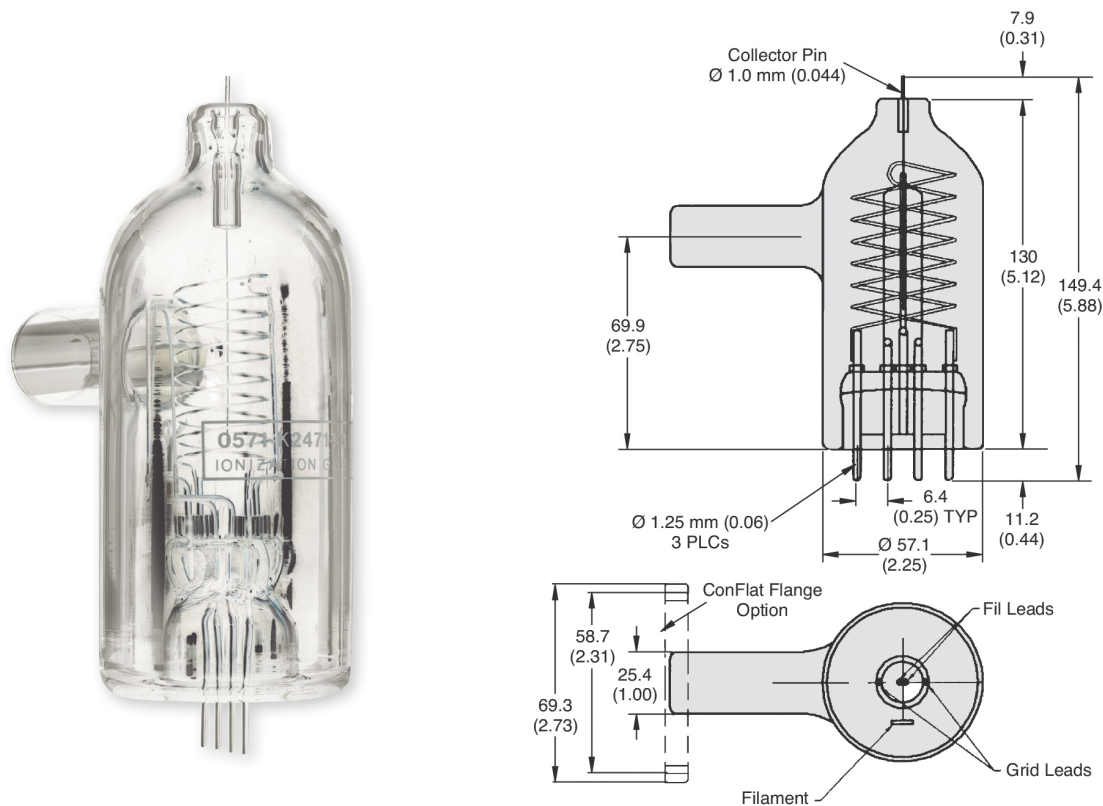


571 Bayard-Alpert Gauge Tube



Dimensions: millimeters (inches)

The Agilent 571 Bayard-Alpert gauge offers high performance over a pressure range of 2×10^{-10} to 1×10^{-3} Torr (2.7×10^{-10} to 1.33×10^{-3} mbar). The 571 gauge withstands long periods of degassing or accidental exposure to atmospheric pressure while at operating temperature and will still recover its original characteristics. A reference gauge is also available, sealed off at $\leq 5 \times 10^{-6}$ Torr for use in testing a gauge controller.

Technical Specifications

Sensitivity
6 (Torr) ⁻¹ (mbar) ⁻¹ (typical)
Operating ratings
0 VDC to ground (collector) 0 VDC (shield) + 180 VDC to ground (grid) + 30 VDC to ground 4.0 VAC nominal (filament)
X-Ray limit
4 x 10 ⁻¹⁰ Torr, (5.2 x 10 ⁻¹⁰ mbar)
Bakeout temperature
450° C (ISO-KF: 200° C FKM o-ring, 100° C Buna o-ring)
Operating pressure
4 x 10 ⁻¹⁰ Torr to 5 x 10 ⁻² Torr (5 x 10 ⁻¹⁰ mbar to 6.7 x 10 ⁻² mbar) (Air)
4 x 10 ⁻¹⁰ Torr to 1 x 10 ⁻¹ Torr (5 x 10 ⁻¹⁰ mbar to 1 x 10 ⁻¹ mbar) (Argon)

Ordering Information

Description	Part Number	Fitting	Shipping Weight kg (lbs)
571 Ionization tube with thoria-coated iridium filament	K2471301	1 in. Glass tubulation	0.5 (1.0)
	K2471302	1 in. Kovar tubulation	0.5 (1.0)
	K2471304	¾ in. Glass tubulation	0.5 (1.0)
	K2471305	¾ in. Kovar tubulation	0.5 (1.0)
	K2471306	DN 25 ISO-KF	0.5 (1.0)
	K2471311	DN 40 ISO-KF	1.0 (2.0)
	K2471303	DN 40 CFF (2.75 in CFF)	1.0 (2.0)
571 reference ionization tube with thoria-coated iridium filament (sealed off at ≤5 x 10 ⁻⁶ Torr)	K2471307	–	0.5 (1.0)

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For more information, please contact your Agilent representative or visit www.agilent.com/chem/vacuum where you can chat live with a vacuum expert.



<https://www.agilent.com/en/product/vacuum-technologies/vacuum-measurement/vacuum-transducers/571-bayard-alpert-gauge-tube>

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