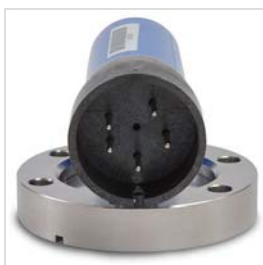




275 Series Gauge Tubes



[ENLARGE](#)



These gauge tubes and controllers are ideal for new applications or as low-cost drop-in replacements to the Convector® brand of Granville-Phillips® gauges.

Features:

- › Wide measuring range: 10^{-4} Torr to 1,000 Torr (10^{-4} to 1,333 mbar)
- › Performance identical to existing competitor's gauges
- › Less prone to damage from mechanical shock or vibration than competitor's tubes
- › Less outgassing and faster response to pressure changes than competitor's tubes
- › Rugged design withstands more abuse and harsh environments
- › Significant savings—no changes to your system, you use your existing competitor's controllers or cables
- › No changes to your process—a single vacuum gauge can monitor your vacuum system pumpdown and venting; helps keep your process up and running, even if it's not a laboratory environment
- › CE marked, RoHS compliant
- › **NIST traceable calibration certificates available upon request.**
- › **Interconnect cable sold separately.**
- › **Gauges are calibrated for direct readout of nitrogen or air. Do not attempt to use with other gases unless accurate conversion data for N_2 to the other gas is properly used.**

[Product Datasheet](#)

For a downloadable datasheet on this product, please [click here](#).




















Specifications Table

| | |
|-----------------------------------|---|
| Measurement Method | Convection Enhanced Pirani |
| Measurement Range | 1×10^{-4} to 1,000 Torr (1.3×10^{-4} to 1,333 mbar) |
| Temperature (operating) | 0-50° C |
| Temperature (storage) | -40-70° C |
| Temperature (bakeout) | 150° C maximum (gauge only, non-operating, electronics, and cable removed) |
| Materials Exposed to Vacuum | Gold-plated tungsten, 304 & 316 stainless steel, glass, nickel, PFPE |
| Accuracy (typical) | 1.0×10^{-4} to 1.0×10^{-3} Torr; 0.1 mTorr resolution 1.0×10^{-3} to 400 Torr; $\pm 10\%$ of reading 400 to 1,000 Torr; $\pm 2.5\%$ of reading |
| Repeatability (Typical) | $\pm 2\%$ of reading |
| Mounting/Installation Orientation | Horizontal recommended (Orientation has no effect below 1 Torr) |
| Internal Volume | 26 cm ³ (1.589 in ³) |
| RF / EMI Protection | CE compliant, RoHS compliant |




Ordering Table

[+](#) = Click icon below to view Supplementary Parts.

| Description | Termination | Gauge Tube Type | Manual | PartNo | Price | Add Item | VacuCAD SM |
|---|-------------|-----------------|--------|-------------|----------|----------|-----------------------|
| + Gauge Tube Controller | Panel Mount | - | | KJL375011BA | \$508.00 | | Please Login |
| KJLC Gauge Tube | 1/8" NPT | Standard | | KJL275071 | \$126.00 | | Please Login |

| Description | Termination | Gauge Tube Type | Manual | PartNo | Price | Add Item | VacuCAD SM |
|---|--------------|-----------------|---|-----------|----------|---|-----------------------|
| KJLC Gauge Tube | 4 VCR Female | Standard |  | KJL275185 | \$152.00 |  | Please Login |
|  KJLC Gauge Tube | KF25 | Standard |  | KJL275196 | \$164.00 |  | Please Login |
|  KJLC Gauge Tube | KF16 | Standard |  | KJL275203 | \$140.00 |  | Please Login |
|  KJLC Gauge Tube | 2-3/4" CF | Standard |  | KJL275238 | \$165.00 |  | Please Login |
|  KJLC Gauge Tube | 1-1/3" CF | Standard |  | KJL275256 | \$152.00 |  | Please Login |
| KJLC Gauge Tube | 8 VCR Female | Standard |  | KJL275282 | \$171.00 |  | Please Login |
|  KJLC Gauge Tube | KF40 | Standard |  | KJL275316 | \$171.00 |  | Please Login |

Accessories Table

| Accessory Type | Description | PartNo | Price | Add Item |
|--------------------|----------------------------------|-------------|----------|---|
| Interconnect Cable | From tube to controller (10 ft.) | CB421-1-10F | \$82.00 |  |
| Interconnect Cable | From tube to controller (25 ft.) | CB421-1-25F | \$100.00 |  |
| Interconnect Cable | From tube to controller (50 ft.) | CB421-1-50F | \$132.00 |  |

Kurt J. Lesker
Company

Buy Online or Call
1.800.245.1656