

PRODUCT TECHNICAL BRIEF

BG.63.002.00.000-01 Calibrated Reference Leak

BG calibrated reference leak with a nominal leak rate of approximately $8 \times 10^{-8} \text{ Pa} \cdot \text{m}^3/\text{s}$ at operating pressure, intended for vacuum and sniffer leak testing.

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Technical and Project Information

Capillary Reference Leak

The source technical description for this BG.63.002.00.000-01 product page identifies the version below as BG.63.002.00.000-1.

- Tracer-gas flow range BG.63.002.00.000-1 has a tracer-gas flow range of 1.33×10^{-8} to $1.33 \times 10^{-5} \text{ Pa} \cdot \text{m}^3/\text{s}$. This range supports precision measurements and the setup of leak-detection equipment, including applications that require small leaks to be detected and measured.

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- Tracer gas The model supports non-corrosive gases including helium, sulfur hexafluoride, nitrogen and argon, as well as refrigerants such as R134a, R404a, R290 and R600a.
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- Relative flow deviation The stated flow deviation is $\pm 30\%$.

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- Tracer-gas operating pressure The device is designed for pressures from 0.1 to 1.0 MPa, covering laboratory and field test conditions.

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- Body The body serves as the tracer-gas reservoir and provides controlled gas delivery through the capillary.
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- Charging valve A capped charging valve allows the device to be filled with tracer gas and helps prevent gas loss during storage or transportation.
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- Connection tube The 10 mm diameter tube connects the reference leak to the system under test.
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BG.63.002.00.000-1 is used for accurate setup and calibration of leak-detection equipment, particularly when very small leaks must be detected and measured. Applications include oil and gas, chemical and power equipment, as well as refrigeration-equipment manufacturing.

The known tracer-gas flow makes the reference leak suitable for applications in which leak-detector sensitivity and quantitative results must be checked.

- Helium Reference Leaks Capillary Helium Reference Leaks Gelit Reference Leaks Reference Leaks for Pfeiffer and Adixen ASM Detectors
- Capillary Helium Reference Leaks
- Gelit Reference Leaks
- Reference Leaks for Pfeiffer and Adixen ASM Detectors
- Scanning Electron Microscopes
- Leak-Detector Accessories

WORLDWIDE PROJECT CONTACT

Send the test object or system, operating conditions, target sensitivity or pressure range, applicable standard, destination country, quantity and schedule. LeakLab will review the project scope.

mail@leaklab.org

Regarding: BG.63.002.00.000-01 Calibrated Reference Leak

Specifications, standards, verification scope, availability and commercial terms must be confirmed for the exact configuration and destination jurisdiction before order or project acceptance.