



# Calibrated Leak

**Leaks produced to your specific pressure and requirements.**



**Exceptional long term stability. Calibrated leaks produced to your precise pressure and flow requirements.**

#### **Features:**

- Factory calibrated to procedures in accordance with our ISO 9001:2008 Quality Management System
- Supplied in storage case with certificate of calibration
- Made from stainless steel
- Corrosion and contamination resistant
- Leaks from  $1 \times 10^{-4}$  ml/s to 10 l/min
- Wide range of gasses and inlet pressures available



Ion Science calibrated leaks are produced in order for a known leak to be presented to a test system. Should the leak be detected by your gas / leak detector at the correct value then the system is within calibration, giving you confidence in the accuracy of the instruments upon which you depend.

At Ion Science we produce calibrated leaks that are made to your individual pressure and leak rate specification. Each leak is supplied in its own storage box with a certificate of calibration in accordance with our ISO9001:2008 procedures. By ensuring our own quality standards we can help you to meet yours.

For exceptional stability over time and resistance to corrosion and contamination, all leaks are made from stainless steel. The body has a standard 1/8 BSP inlet and outlet thread and can be supplied with a quick fit stabli fitting, for use with leak testers. The simple screw in screw out functionality of the calibrated leak is ideal when returning your leak to Ion Science for annual calibration as the leak can be easily removed, placed in its storage box and sent in the post.

Ion Science calibrated leaks can be used in conjunction with our CalCheck accessory, an easy to use bump test and user calibration. Multiple calibrated leaks can be used with a single CalCheck unit. Simply unscrew the leak from the base and replace it with a different leak rate. This means one base unit and several leaks is all you need to bump test and user calibrate a number of different instruments with different gasses and leak rates.



CalCheck

Distributed by:

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## TECHNICAL SPECIFICATION

### CONSTRUCTION

All stainless steel including sinter  
1/8 BSP inlet and outlet threads

### ACCURACY

Leak rate  $\pm$  2%

### INLET PRESSURE

Maximum 10 bar  
Minimum 50 mbar

### LEAK RATE SPECIFICATIONS

Maximum 10 l/min  
Minimum  $1 \times 10^{-4}$  ml/sec

### INFORMATION REQUIRED WHEN ORDERING

Leak rate required in ml/sec, mm/min or ml/hr  
Inlet pressure in mb, bar or psig  
Gas to be used with leak e.g. air, helium etc.