



## LA-04 Leak Orifice

**For use with all  
TM Electronics  
Leak and Flow Testers**

A leak can be defined in one of two ways: the *flow rate at a given test pressure*, or the *hole size*. Because the size of a leak (or more than one small leak) can rarely be determined directly, flow measurement is the method of choice to characterize the leak's *effective size*. To evaluate your leak test system's ability to identify the effective size of a leak, it is useful to use a leak orifice with a known flow rate at a specified pressure. Alternatively, a leak orifice with a known orifice diameter can be used. In addition, a leak orifice can be used as a daily verification tool to confirm the consistency of your leak test system.

TM Electronics provides orifices to your specification.

### **Orifices Manufactured to Specified Flow Rate at a Specified Pressure:**

Flow Rate Range: 0.1 to 1000 sccm (other values on request)  
Pressure Range: 25 InHg (vacuum) to 250 psig

### **Orifices Manufactured to Specified Orifice Diameter:**

5  $\mu$ m to 100  $\mu$ m

### **Available Mounting Configurations:**

1/8-27 FNPT THD inlet port  
Colder quick connect, male or female  
1/8-27 MNPT Thread  
Luer, Male Slip Fitting  
1/4" tube connector

### **Materials:**

All TME LA-04 Leak Orifices are prefiltered. Orifices are available in Brass or Stainless Steel.

Flow rate certification to NIST traceable standards is supplied.

TM Electronics, Inc.  
45 Main Street, Boylston, MA 01505 USA  
800-370-0501 or 508-869-6400