



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 μ m to 100 μ 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.

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