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General Gas Meter Leak Test Procedure

1. All meters shall be allowed to acclimate to the test temperature for approximately 12 hours (overnight) or as directed by the Gas Measurement Engineer or designee before testing.
2. An approved leak-testing apparatus (e.g., Measurement Systems Leak Test) shall be used to perform the test.
3. The meter shall be fully submerged in water and then slowly pressurized—at a rate not exceeding 5 PSIG per second—with air from 0 PSIG to at least 1.25 × MAOP.
4. The meter shall be observed for a minimum of one minute to check for any signs of leakage.
5. If no leaks are observed, the meter shall be recorded as leak-free.
6. Any meter that fails the leak test will result in the entire population failing and will require 100% testing of the population or return to the manufacturer.

A Landis+Gyr G480 meter being leak tested on a Measurement Systems Leaks Tester

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Landis+Gyr G480 Leak Test Procedure

1. The G480 shall initially be tested in the vertical position.
2. If the meter tested in the vertical position shows any indication of leakage and/or suspected trapped air bubbles, the tester shall remove the meter from the test apparatus and retest it in the horizontal orientation.
3. "Horizontal" shall be noted in Tesco to designate that the meter was tested in the horizontal orientation.
4. For the horizontal test, the meter shall be placed on a stand with the front of the meter facing downward.
5. The meter shall then be re-tested following the **General Gas Meter Leak Test Procedure**.
6. If no leaks are observed during the horizontal leak test, the meter shall be recorded as leak-free.
7. Any meter that does not pass the leak test in the horizontal position will result in failure of the population and will require 100% testing of that population or return to the manufacturer.

A Landis+Gyr G480 meter positioned for a horizontal leak test on the Measurement Systems Leak Tester