

# Common Mistakes To Avoid

## Detect and Pinpoint Leaks With The Aid Of A Heath Aqua-Scope

The Aqua-Scope Direct Contact Microphone is designed to make direct contact with water system appurtenances, i.e. fire hydrants, main line valves, customer service valves and/or any other point where the operator can make direct contact with parts of the system.

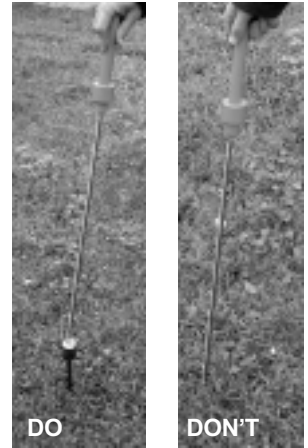
The Direct Contact Microphone, when used to listen directly to the system, alerts the operator to the presence of underground leaks. A series of "comparative soundings" are then made with other direct contact points, to define the "leak area".

### TIP 1

The direct contact microphone is **NOT** designed to:

- Have the stainless steel extension rods "shoved into the ground", to try to listen to the leak.

Use a "T" bar or a Plunger Bar to "shove into the ground", and then listen directly to the Plunger Bar, with the direct contact microphone.



### TIP 2

The direct contact microphone is **NOT** designed to:

- Be used as a "pry-bar" to open valve boxes, or to clean out a valve box.

Use hand tools that are designed for use as a "pry-bar", and/or a valve cleaning tool to remove debris from the valve box.



### TIP 3

The ground microphone is **NOT** designed to:

- Be used on grass, gravel, sand or soft soil.

To pinpoint a leak on grass, gravel or soft soil, a Resonant Plate with a spike (optional accessory), often referred to as a "Thumb Tack", should be used. The smooth surface of the plate, with or without the spike, will accommodate the ground microphone, enabling the operator to accurately pinpoint the leak.

