COMBIPHON® **– The non-metallic pipe locator**

Locating plastic pipes acoustically with a pulse generator

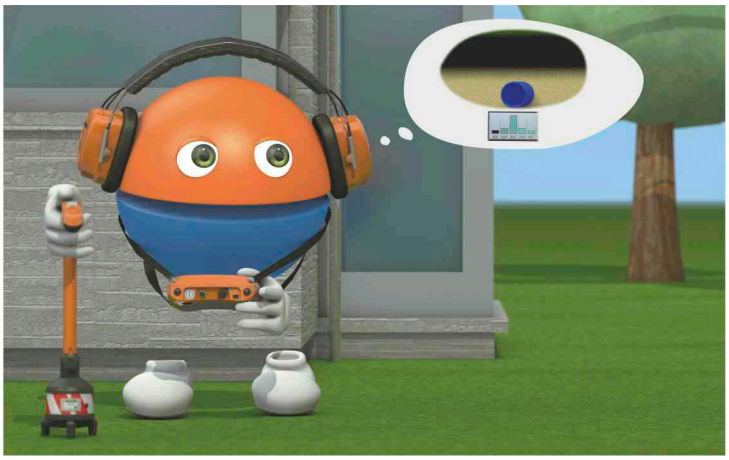
As non-metallic pipes are not electrically conductive, they cannot be located with the classic electro-magnetic method. Another principle in pipe location is used with the acoustic method: the pipes transmit mechanical vibrations better than the surrounding soil.

The vibrations are transmitted along the pipe and over the soil to the surface where they can be detected by ground microphones (***AquaTest T10, AQUAPHON® A 50, A 100, A 200***).

Just as with the acoustic location of water leaks, the highest intensity indicates the position of the pipe. Basically fiber cement or metallic pipes can also be located with this method.

The principle

The volume increases as you get closer to the vibrating pipeline. The signal is loudest directly above the pipe, thereafter the intensity starts to decrease again. The visual display is particular helpful for novices or those who do not use the system often.



COMBIPHON® **- Striker**

Water service lines are caused to vibrate using the Striker. This steadily taps the pipe from the outside like an electric hammer.

The Striker can be easily attached to pipes with a diameter of up to 4 inches using the supplied chain attachment.

COMBIPHON® **- Stopper**

Water mains require more energy to vibrate. The water culumn is set in motion by controlling the volume using the Stopper at a fire hydrant. The Stopper is a battery powered intensity controlled piston. The sound can be detected over long disctances, depending on the soil conditions (clay, compact soil – over 1 Mile).

An advantage in using a power controlled piston, as opposed to a spring one, is that pressure variations have no effect on the settings.