

AQUASCAN WATER PIPELINES INSPECTION



Intelligent Acoustic Leak Detection

Find Leaks Fast. Without Breaking Flow. Quick. Accurate. Non-Invasive.

Our free-swimming acoustic sphere travels with the flow inside the pipeline, detecting leaks, air pockets, and other anomalies by capturing their unique signatures all without interrupting service or requiring excavation.

Key Advantages:

- Accuracy: Pinpoints small pinhole, cracks and joint leaks with location accuracy within a few meters up to 0.04 LPM.
- Non-Invasive: No shutdowns or pipe modifications. Inserted and retrieved through existing valves/taps.
- Efficient: Inspects up to 20 miles (32 km) per run, including in low-flow conditions.
- Actionable Reports: Provides detailed

acoustic data, leak maps, pressure profile, pipeline map, and GIS-compatible outputs for fast decision-making.

Pipeline Compatibility

- The system works across a wide range of pipeline materials, including:
- Cast Iron/Ductile Iron
- Steel
- Bar-Wrapped Concrete Cylinder Pipe (BWCCP)
- Reinforced Concrete Cylinder Pipe (RCCP)
- Prestressed Concrete Cylinder Pipe (PCCP)
- Asbestos Cement (AC)
- GRP / GRE

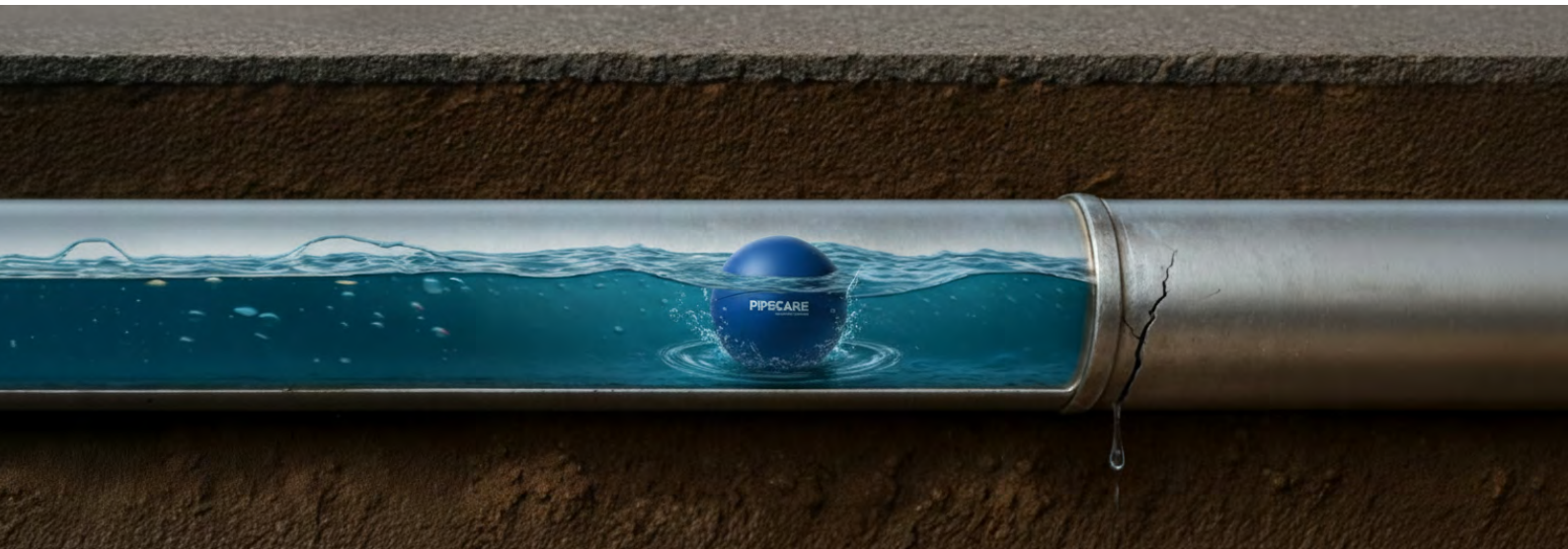
Intelligent Acoustic Leak Detection

Smart Technology for Complex Networks

Ideal for large-diameter, aging, or remote pipelines, this solution empowers asset managers to reduce non-revenue water loss, prioritize repairs, and prevent costly failures enabling smarter, data-driven pipeline maintenance.

Specification

STANDARD SPECIFICATIONS	
Tracking Tools	AGM, Tracking Computer
Maximum Pressure	10 bars (Water Pipelines) / 100 bars (Crude Oil, Synthetic Crude, Refined Products)
Pipeline Products	Liquids
Pipeline Diameters	6" to 56"
Flow Velocity	0.25 m/s to 2m/s
Passable Features	Butterfly Valves, Ball Valves, Gate Valves, Tees, WYE, Vertical Sections, Reducers, 1D radius bends
Leak Sensitivity	0.04 LPM (at +2 bar pressure differential)
Tool Size	Core: 3.7 inches Foam Shell: 6 inches- foam shell size is adjustable



FIND LEAKS BEFORE THEY FIND YOU

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