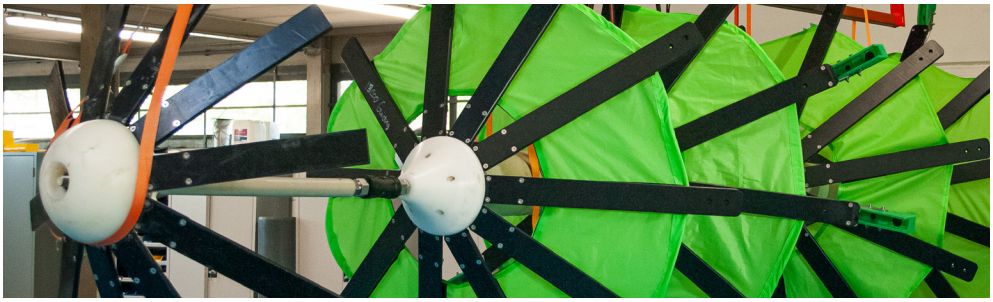
Aquabrella

In-line Inspection Tool



With on-board ultrasonic testing (UT) circumferential scanning sensors and internal mapping unit (IMU), the Aquabrella is a diverse in-line inspection tool designed to use in different types of pipes and materials. Aquabrella's sensors record the condition of many miles of potable water transmission lines in a single run with minimal disruption to the system. Once the inspection is complete, the data from the onboard data logger is verified and uploaded to the cloud where Acquaint's analytics team begins analysis for reporting. The tool is designed to provide high-quality, accurate data in a wide range of applications, service conditions and pipeline environments. Collected data provides insight into the condition, risks and lifetime of the inspected pipeline. This ultra flexible, configuration friendly, and reliable tool provides wall thickness measurements, precise pipe geometry, joint defects, leak and air pocket detection, delamination, AC leaching (degradation of asbestos cement), and plots XYZ locations.

Technical Information

Specifications	Wall thickness	All material types
	Mapping XYZ	Accuracy < 3 feet of center pipe
	Max. Inspection Speed	Various 0.2 – 1 m/s
	Max. Inspection Length	24 hours / 25 miles
	Max. operating pressure	150 PSI
Pipeline Requirements	Min. radius bends	>1.5D
	Max. bore reduction	24-inch: 50% of Nominal ID
		32-inch: 60% of Nominal ID
		40-inch: 70% of Nominal ID
		60-inch: 75% of Nominal ID
	Max. flow needed	0.5 m/s + 10%
	Launching and receiving	Possible via T- or Y-piece
Mechanical Inspections	Length	24-inch : ~13.5 feet (unfolded 13 feet)
		32-inch: 12 feet
		40-inch: ~13.5 feet (unfolded 13 feet
		60-inch: ~13.5 feet (unfolded 13 feet)
	Tool Diameter	24-inch: 2 feet
		32-inch: 2.6 feet
		40-inch: 1 foot
		60-inch: 1 foot

Data can be reviewed through a 3D HTML dashboard containing a comprehensive overview of the pipeline anomalies: https://youtu.be/_GxL3vj8o8o

CPM PIPELINES

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