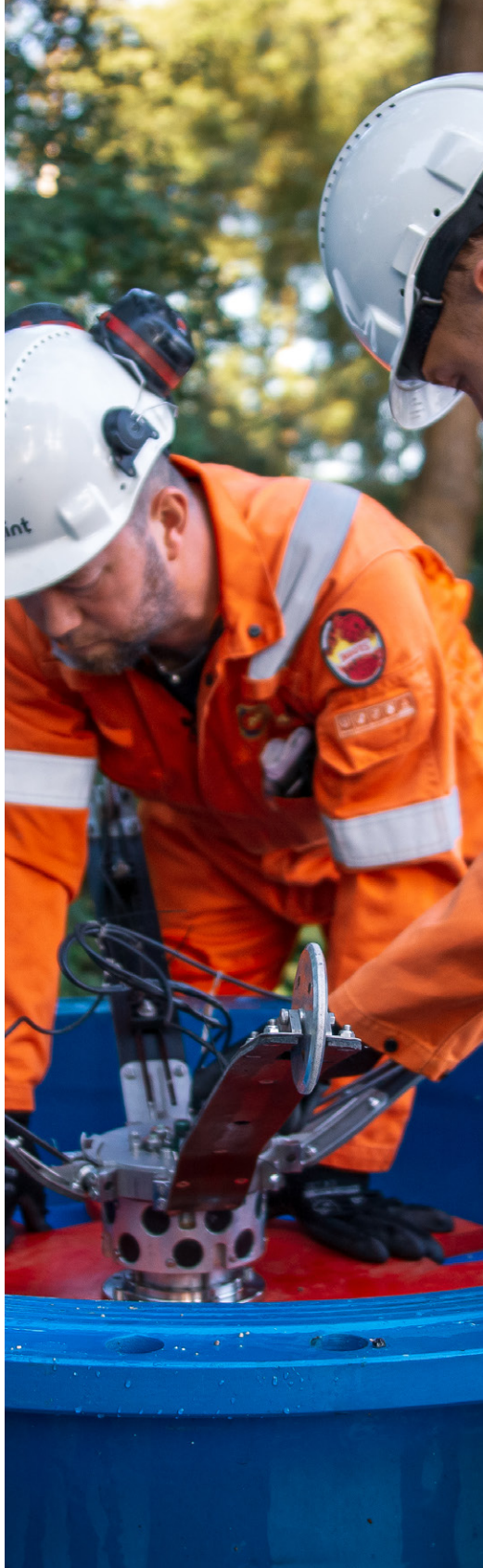


Acquarius

The Smart Tool for In-line Inspections



With on-board ultrasonic testing (UT) circumferential scanning sensors and internal mapping unit (IMU), the Acquarius is a diverse in-line inspection tool designed to use in different types of pipes and materials. Acquarius' sensors record the condition of many miles of transmission, pressure or sewer pipelines in a single run with minimal shut down. 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, ID changes, precise pipe geometry, joint defects, leak and air pocket detection, pipe ovality, delamination, AC leaching (degradation of asbestos cement), and plots XYZ locations. Acquarius's comprehensive report helps set maintenance and management priorities based on data driven results. Asset managers can predict and repair pipeline damage before it occurs. This proactive approach provides data driven insights to set actionable decisions with known budgets for rehabilitation, eliminating disruptive pipe breaks, and associated environmental and economic impacts.

Technical Information

	Max Flow @1.6 f/s gpm	Max DP pig	Max ID** reduction	Weight*** (pounds)	Length (feet)
8-inch	510	18 PSI	25%	55	3.2
10-inch	790	14.5 PSI	25%	99	3.4
12-inch	1,150	11.6 PSI	25%	176	3.6
14-inch	1,540	9.4 PSI	25%	264	4
16-inch	2,025	7.25 PSI	25%	330	4.4
20-inch	3,170	5.8 PSI	30%	661	4.9
24-inch	4,540	4.35 PSI	30%	1047	6
28-inch	6,160	3.6 PSI	30%	1543	7.5
32-inch	8,140	2.9 PSI	30%	2314	7.8
36-inch	10,350	2.2 PSI	30%	2976	7.8
40-inch	12,770	1.5 PSI	30%	3527	7.8

*More ranges are available. **Higher reduction possible on request. ***Weight saturated with water.

Acquarius inspection performed by Acquaint on a force main for Waterschapsbedrij Limburg in the Netherlands: <https://youtu.be/LyJD9qFqweE>



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