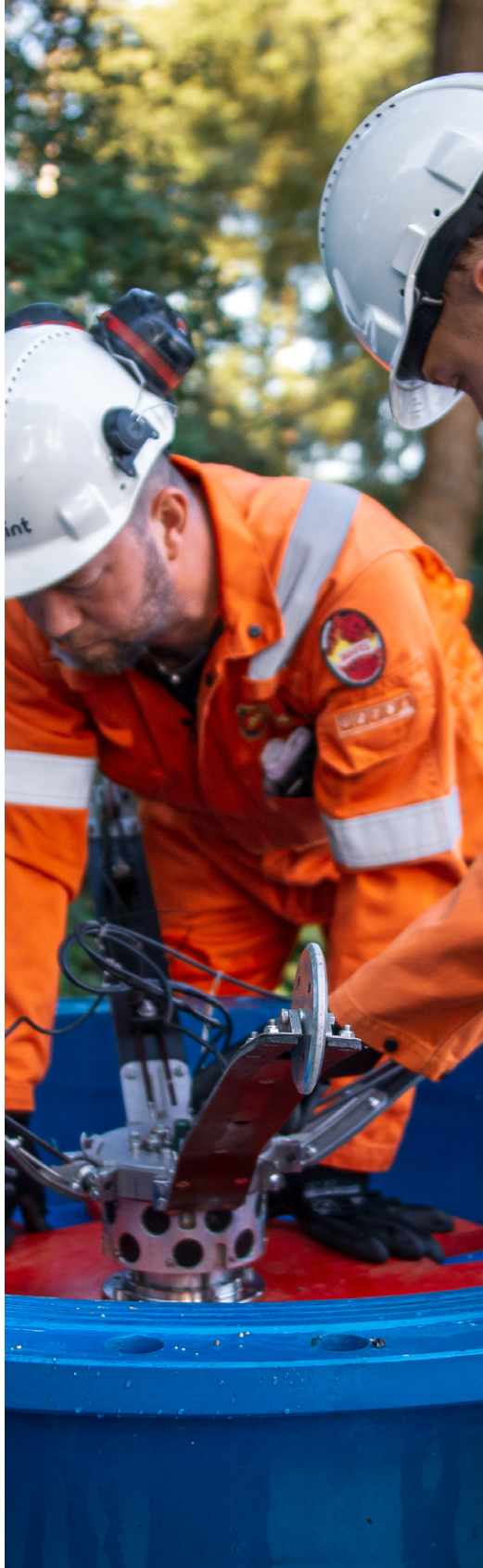


Acquarius

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 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, 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.

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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