



B-VOYAGER® PIPELINE INTERNAL INSPECTION DEVICE





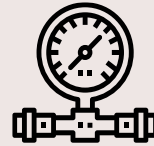
Internal Pipeline Inspection Innovation

The B-VOYAGER® is a technological innovation in pipeline integrity inspection providing companies with an advanced tool to sustain safety, efficiency and operability of their assets.



SMALL SIZE

Can fit various types of pipes, including those with HDPE internal lining.



SAFE INSPECTION IN SEVERE CONDITIONS

Titanium capsule, designed to withstand high pressures and various types of fluids such as water, concentrate and tailings.



BIG DATA ANALYSIS

Analysis models based on the company's extensive hydraulic expertise.



AUTONOMY AND MINIMUM INTERVENTION

Autonomous inspection for extended periods of up to 50 hours.





Advanced inspection technology in a compact size

B-VOYAGER® stands out for its great versatility and adaptability. Thanks to its compact size, it can fit various types of pipes, including those with HDPE internal lining.

Incorporates advanced technology to measure variables such as pressure, temperature, acceleration and spin with high precision, allowing monitoring of the pipeline even in the most challenging conditions.

Safe inspection in severe conditions

The **B-VOYAGER®** electronics are protected by a hermetic titanium capsule, designed to withstand the maximum pressures of a pipeline in normal operation.

Its compact and minimal design allows it to use as little space as possible within the pipeline, which guarantees its ease of implementation in a safe manner.



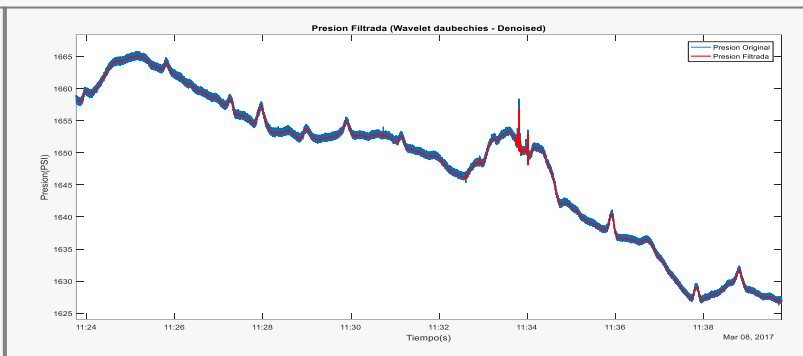
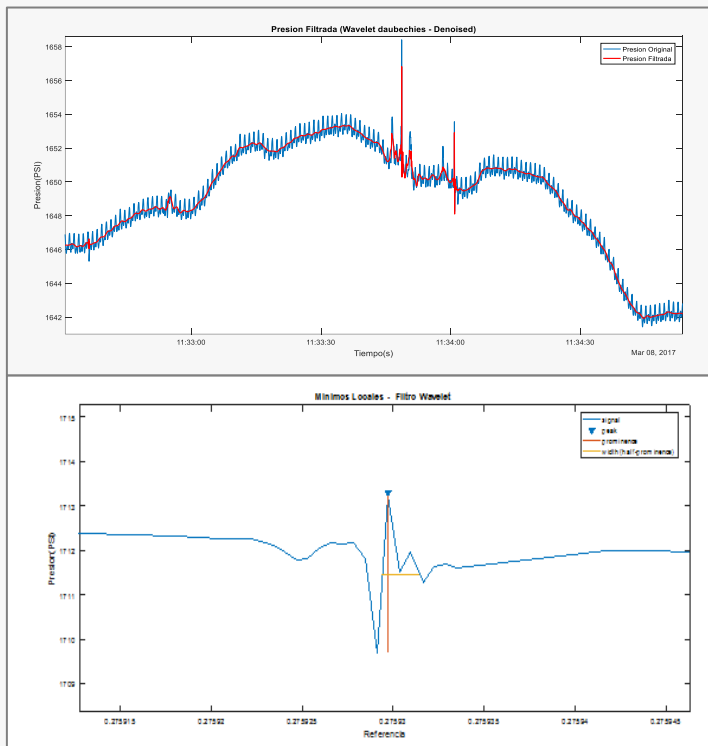


Analysis of large volumes of data for accurate anomaly detection

Data captured by the **B-VOYAGER®** during inspection is stored and synchronized with control and monitoring points throughout the pipeline, establishing a robust foundation for analysis.

The BRASS Data Sciences team processes the information, using analysis models based on the company's extensive hydraulic expertise.

Under rigorous analysis process, critical points and possible anomalies are precisely identified which allows an evaluation of the state of the pipelines.

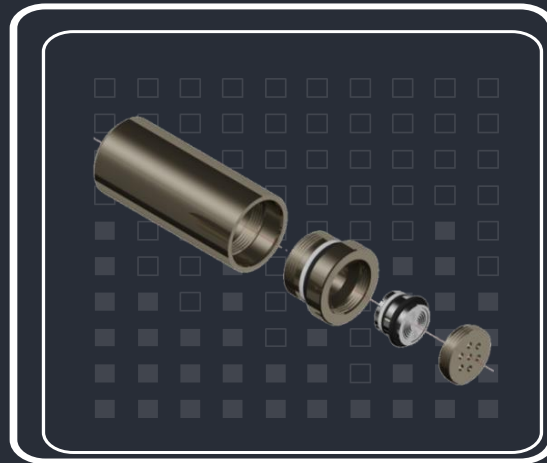


— Original Pressure
— Filtered Pressure

Sensors

Autonomy

Up to 50 hours



Sizes

Pressure Range

Up to 4351 psi
Precision range
+0.14psi
-0.22 psi

Operating diameters

Up to 36"

Water
Concentrates (Cu, Fe,
etc)
Tailings pipelines



BRASS



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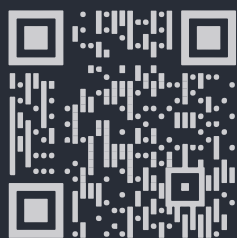
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9001:2015



14001:2015



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