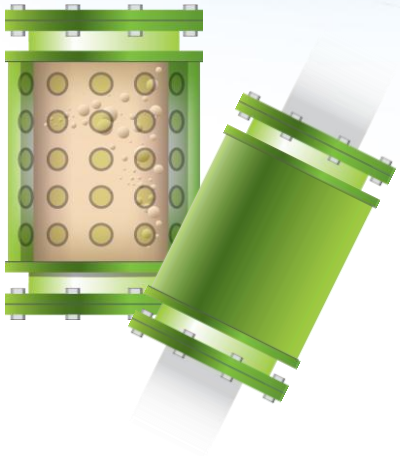
Accurate air measurement and control

Air Watch is a reliable solution for measuring and controlling air content of a process pipe. Measurement is done from the entire pipe flow in comparison to other online or sample measurement systems.



Air Watch uses a pipe sensor, which is easy to install into the process pipe. The custom diameter design allows the sensor to be installed in essentially any process line.

Accurate entrained air content from the entire pipe flow

In comparison to sample air measurement systems, Air Watch measures entrained air content from the entire pipe flow. The importance this was proven in lab measurements, which contained measurement of six air injections into a pipe within a range 0-0.5 %.

Figures 1 and 2 represent the results of the measurement, which indicate that the air does not distribute evenly in a pipe. Air Watch was able to accurately measure the air content and placement of the air in the pipe even in case of small air contents.

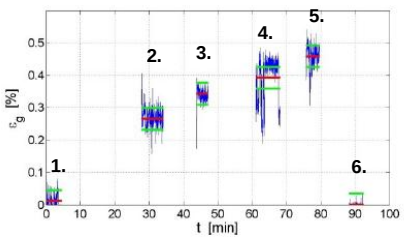


Fig. 1: Air Watch lab measurements – six injections of air into a pipe within a range 0-0.5 %

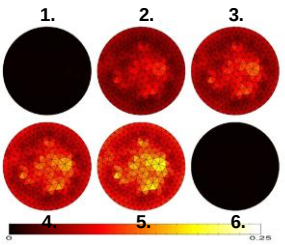


Fig. 2: Air Watch lab measurements – distribution of air in the pipe during the six air injections.

Let Us Find a Solution for You!

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Benefits

- Optimal process flow
- Decreased consumption of chemicals
- Increased pumping efficiency
- Identification and elimination of air sources
- Accurate monitoring of changes and inefficiencies caused by air, for example vacuum and foam levels

Typical Air Watch delivery includes: pipe sensor, control unit, and software

Trial – Based on industrial data, we know that Air Watch delivers real benefits. Test it yourself by using our trial service. Find out more at **www.numcore.com**

Numcore Ltd develops and markets innovative high-tech process control solutions based on 3D-imaging. The solutions are designed for mineral processing, food, chemical, and pulp & paper industries. Numcore merges the knowledge from the academic and the engineering worlds. Numcore is located in Kuopio, Finland

Note: This product uses software developed by Spread Concepts LLC for use in the Spread toolkit. For more information about Spread see www.spread.com

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