

Know your pipeline!

What is it?

The PSI-Pill was designed to diagnose slurry piping systems with respect to system integrity and flow characteristics. **The PSI-Pill will provide a pressure, temperature and acceleration profile of an entire pipeline.**

Benefits

- Elimination of costly failures or blockages by identifying potential problem areas within the system
- Optimization of costs by comparing the effects of additives or fluid property variations against flow.
- Obtain valuable design data to assist with extensions.

PSI-Pill Test & Results

As the PSI-Pill travels freely in the fluid within the pipeline, it records pressure, temperature, and 3D acceleration. The pill is then easily caught at the outlet and the information is downloaded to a PC. From a simple spreadsheet program, one can identify pressure temperature and acceleration within the entire system. Upon closer analysis, anomalies can be identified and measures can be taken to correct them. Also by repeated tests, correlation of flow can be made against recipe and piping variations for system optimization.

Users

The pill has successfully been utilized in backfill piping systems at the following companies.

Noranda Inc, BHP, INCO Limited, Master Builders
 Aur Resources Inc., Agnico-Eagle Mines Limited,
 Goldcorp Inc, Newmont Mining, Falconbridge

We can help

The pill is adaptable to virtually any piping situation. Bring us your challenge and we will tailor a solution.
Piping system: Oil, Water, Tar Sands, Slurry, Concrete, etc.
Sea Recovery: flashers or beacons for locating on surface
Insertion and retrieval devices
Assistance with system analysis

Contact Us

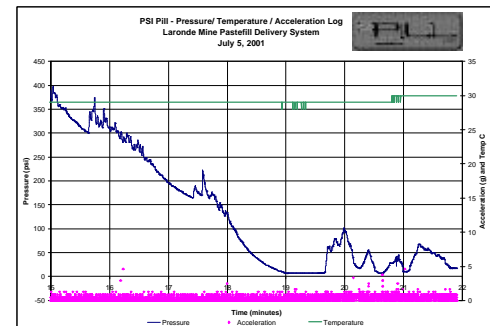
To order a pill kit or have our consultants use the pill to analyze your system, contact PAR Innovations Inc.



The new PSI-Pill v2 is robust.



Simply put the Pill in the system and easily retrieve with the catcher.



Connect the Pill to a PC, and analyze the data

Specifications:

Size: 40 mm x 48 mm
S.q.: 2.4
Pressure: vacuum to 3000 psi (21Mpa)
Temperature: 0 to 70°C (+/-1°C)
Acceleration: 0 to 250 g (+/-0.5)
Sampling Rate: 10 / sec
Run Time: 2.5 hours

Specifications may be altered