

Monitor gas pressure for cleaning and testing of pipeline

APPLICATION C200

Type of Company: Public Utility

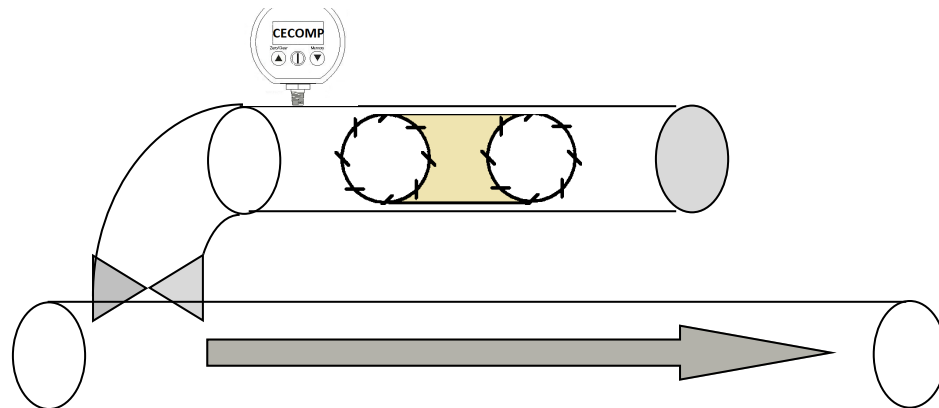
Location: Illinois

A pig is a device inserted into a pipeline which travels freely through it, driven by the product flow to do a specific task within the pipeline. These tasks fall into several different areas: hydrostatic testing, pipeline drying, internal cleaning, internal coating, liquid management, batching, and inspection. A utility usually conducts pigging on a regular basis to improve flow efficiency and clean the line to prevent corrosion. Pipeline “pigs” are introduced into the line via a pig trap, which includes a launcher and receiver.



The Engineering Issue

- Before inserting the pig in the launcher or retrieving the pig from the receiver, the technician/engineer must verify that the launcher/receiver no longer has pressure applied.
- The engineer has a requirement for a rugged, accurate digital gauge that is intrinsically safe for usage in potentially flammable and explosive conditions.



The engineer used a Cecomp DPG2000B Intrinsically Safe (FM-approved) gauge which provides the technician/engineer an accurate visual indication of the gas pressure. The ruggedness of the gauge ensured that calibration was maintained even in these harsh conditions.

Problem. Solved.