

Monitor pressure on a boiler feed pump

APPLICATION C138

Type of Company: Public Utility - Coal-Fired Power Plant

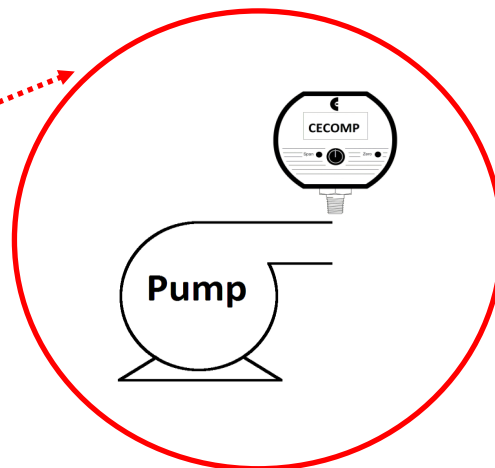
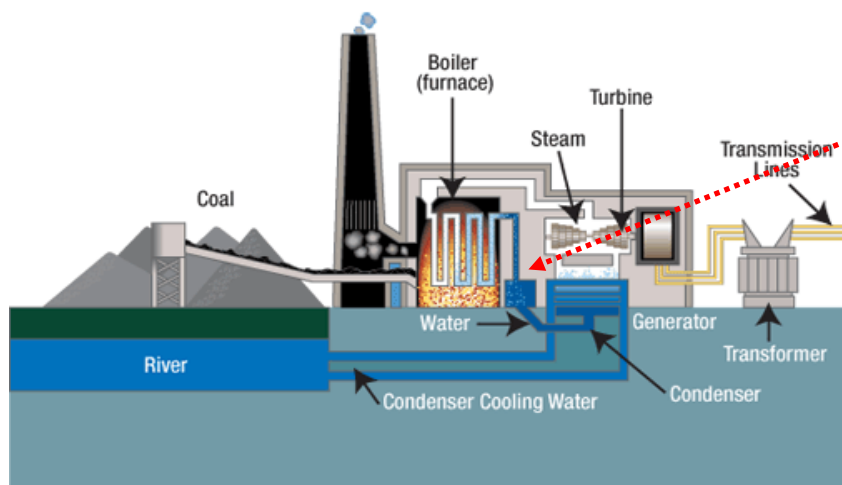
Location: Missouri

A coal-fired power plant typically crushes the rough coal into pieces and then brings it into the plant for the boiler. Highly purified water, pumped through pipes inside the boiler, is turned into steam by the heat. The steam reaches very high temperatures and pressures up to 3,500 psi, and is piped to the turbine. The turbine turns a shaft. On the end of the shaft is a magnet that revolves inside a coil to create electricity.



The Engineering Issue

- The engineer needs to have an accurate and easy-to-read visual indication of the pressure on the boiler feed pump.
- The digital gauge must be accurate, readily available and rugged.



The engineer used a Cecom F4B digital pressure gauge. It is accurate, rugged and comes in a NEMA 4X case.

Problem. Solved.