

Pressure test leak detection for explosion protection

APPLICATION C170

Type of Company: [Manufacturer](#)

Location: [Massachusetts](#)

Explosion protection is used to protect all sorts of buildings and civil engineering infrastructures against internal and external explosions or deflagrations. The technology of explosion protection employed would typically be from least to most expensive: explosion doors and vents, then explosion suppression, then isolation – or combinations thereof. To optimize cost efficiency, doors typically have lower release pressure capabilities, are not susceptible to fatigue failures or subject to changing release pressures with temperature changes, are capable of leak-tight service, service temperatures of up to 2,000°F, and can be more cost-effective in small quantities.



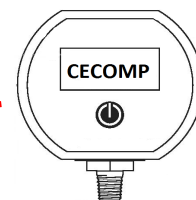
Photo by Erik Drost

The Engineering Issue

- The engineer has a requirement to perform a pressure leakage detection test on their system. The device used to visually monitor the test must be intrinsically safe.



Photo by Craftsman 2001



The engineer used a Cecom DPG2000BBL pressure gauge. This gauge is accurate, very rugged and an Intrinsically Safe FM-approved model.

Problem. Solved.