

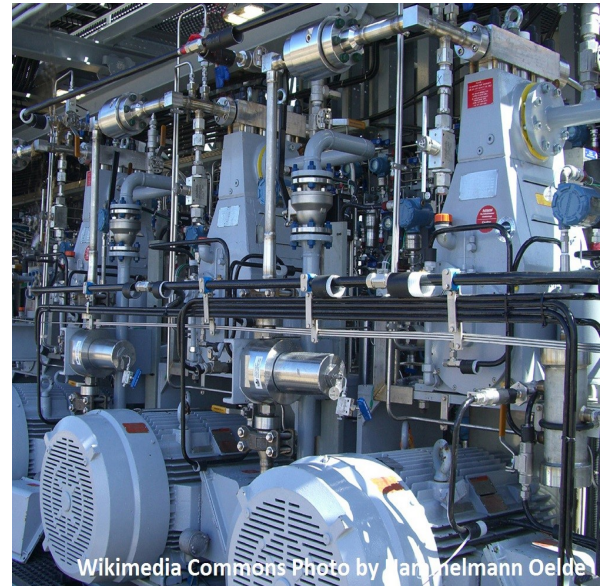
Test water pressure in public water distribution system

APPLICATION C217

Type of Company: Public Utility

Location: Texas

Water purification for human consumption is the process of removing undesirable chemicals, materials, and biological contaminants from raw water. The water is treated and tested per the Environmental Protection Agency regulations. State regulatory agencies evaluate the quality of the water and the water pressure in the distribution system of the public water system. In poorly managed systems, water pressure can be so low as to result only in a trickle of water or so high that it leads to damage to plumbing fixtures and waste of water.



The Engineering Issue

- The engineer has a requirement for accurate and easy-to-use gauges to test the water pressure.
- The gauges must maintain calibration and be field durable.



The engineer used highly accurate Cecom F16B battery-powered gauge to test the water pressure. This Cecom NEMA 4X gauge has 0.25% accuracy over the full pressure range, 0.1 PSI resolution, and can handle the “abuse” because of their ruggedness both electrically and mechanically.

Problem. Solved.

