

**PRODUCT INFORMATION****ASHCROFT PRESSURE INSTRUMENT ISOLATION RINGS****How To Keep A Modern Waste Water Treatment Plant Running Smoothly**

Dependable pressure readings are a necessity in operating a waste treatment plant efficiently. Plugged instruments, always a problem on sewage and sludge, can keep you guessing.

Modern waste water plants utilize a high level of computer sophistication, allowing for a minimal staff. An automatic dialing system alerts personnel to emergencies during non-staff hours. Modern sewage treatment consists of influent pumping, comminution, grit removal, activated sludge, secondary clarification and disinfection. Sludge treatment includes gravity thickening, aerobic digestion and dewatering with belt filter presses.

Dependable pressure readings are an absolute necessity in determining the status of each phase of the treatment operation. Ashcroft pressure instrument isolation rings can be specified to keep the gauges, transmitters and pressure switches working on critical pump discharges. These instrument protectors completely isolate pressure sensing instruments from sewage and sludge. Without them, the narrow access ports on instruments may quickly clog. Process control would be guesswork.

Isolation rings have a full 360° internal flexible cylinder the same diameter as the internal diameter of the pipe. The flexible cylinder senses any change in the line pressure. It transmits these changes through a fill fluid entrapped between the cylinder and the isolation ring body. Simultaneously, the pressure is transmitted through the fully protected instrument access port, and the instrument reads correctly. Solids cannot collect in the instrument's sensing element and render it useless.