

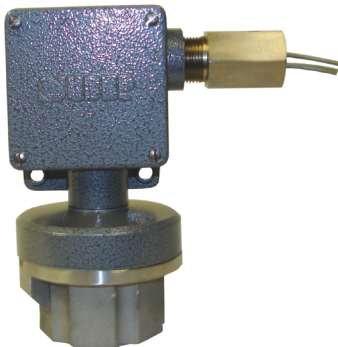


Product 8020 Mechanical Pressure Switch
Application Pulp and Paper Mills
Industry Pulp and Paper

Challenge One of the harshest environments for instrumentation is found in the pulp and paper industry. The extreme conditions create a need for pressure switches capable of withstanding a corrosive atmosphere as well as the caustic process media. Key problems facing any pressure switch installed in pulp and paper digester service are:

- High overpressures (due to the pressure treatment of wood to produce celluloid fiber)
- Corrosive process materials created when the by-products of black and white liquor as well as steam and wood chips combine to create severe atmospheric corrosion
- Reliability and repeatability of the pressure switch is critical – especially when it is used as a safety interlock on the capping valve

Solution The SOR model 8020-100 pressure switch is well-suited for many digester services. It features:



- Set point range of 2 to 12 psig with overrange of 200 psig
- Carbon steel housing with steel cover and Viton cover gasket
- Carbon steel body with stainless steel adjust nut
- 316SS 2" NPT(F) pressure port with 1/4" NPT flushing connection
- Welded diaphragm and high-ambient-temperature microswitch
- Glass-to-metal, factory-sealed, potted leads to maintain weather tightness and prevent moisture from entering through the electrical conduit connection
- Epoxy coating of 316SS pigment is applied for added corrosion prevention

Another added benefit is that remote mounting or the use of a chemical seal (which may affect the performance) is not required.

SOR model 8020-100 have proven to be durable and reliable in the harshest of conditions. For further information, contact SOR or your local representative for details on how we can help solve your instrumentation needs.