

Technical Pages

ABSTRACT

The mechanical seal leak detector probe utilized in the pump is a conductive probe which is normally open. The intrusion of water into the seal chamber completes the electrical circuit. Control panel provisions must be made to sense this circuit closure, and to provide indication or alarm functions depending on the panel design. This document will describe the circuit used in double wire seal probes.

PROCEDURE

The dual wire seal probe system utilizes two conductors, one for each leg of the circuit. The seal probe leads must be wired into a control circuit provided in the control panel. This control circuit must energize the probe with a regulated power source, and sense the closed circuit in event of water intrusion. Indication and alarm functions must also be provided in the control circuit. Please see control panel wiring diagram for seal probe connection points. **IMPORTANT:** For Hazardous Area Classification Pumps, leak detector circuit must be in conformance with applicable NEC codes and regulations.

Double Wire Seal Probe Diagram

