

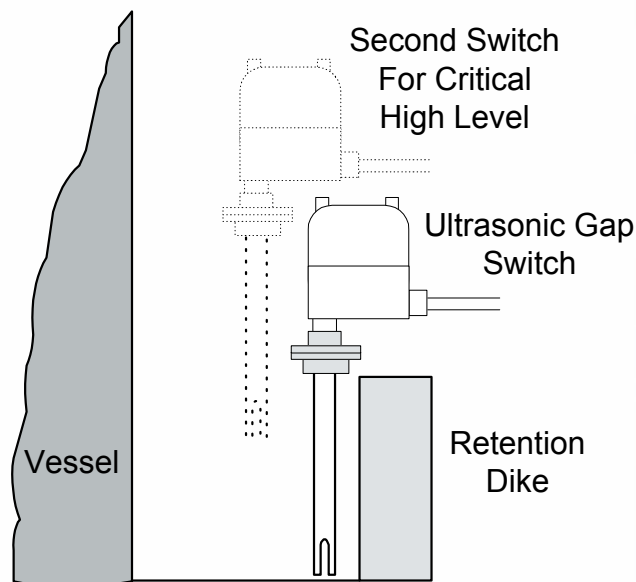
Level Alarm for Spill Retention Dike

The Application

Oil and Chemical storage vessels have retention dikes around them to contain a spill or leak. Indication of liquid present in the dike allows operations and safety personnel to respond quickly. They can determine if the alarm is from the vessel or simply rain water that needs to be pumped out.

The Problem

Many facilities have no alarms. Others use float switches to indicate spills within the retention dike. Mechanical switches, such as floats, can wear or hang up requiring regular maintenance and questionable reliability.



The Solution

AMETEK Drexelbrook installs ultrasonic gap switches in the retention dike to indicate the presence of liquid. In some cases two sensors are installed to indicate liquid present and also a high-high critical alarm. The switches are supplied with Verify™ circuitry for full function testing. This can be done on demand or automatically to test that the switch is working.

Benefits

- Early indication of vessel and piping breach.
- Gap switch alarms on water, hydrocarbon, or water/hydrocarbon mix.
- Verify confidence check ensures switch is working at all times.
- No calibration required.
- No routine maintenance required. No moving parts to wear out or hang up.

Other Solutions:

- Spill Prevention
- Chemical Storage Tanks
- High & Low Level Alarms
- Waste Material Vessels
- Interface Level

Typical Uses:

- Continuous Level
- Point Level
- Waste Management
- Inventory Management
- Overfill Protection
- Regulatory Compliance

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