



Level measurement for hot condensate

Askalon introduces a new method how to indicate condensate levels. Method uses a sensor that can identify differences in electric conductivity between condensate and steam.

Method is very useful at high temperatures because sensor max temperature is over 500°C. Normal pressures are up to 200 bar.

Function means that sensor is connected to an electronic unit that gives two relay outputs per sensor. Electronics can normally handle four sensors. Most commonly, relay outputs are connected to a conditional program in the distributed control system. Relays can be normally closed or normally open.

Applications suitable for this solution is safety systems for high and low level in condensers or similar vessels that handles steam- and condensate phases.

System is also suitable for indicating condensate in pipes after steam cooling. At low steam loads, when injecting condensate, there is always a risk that condensate injection opens fully. This can mean that existing condensate trap is not big enough to handle flow. Pipe will then be flooded with condensate which can cause severe damage to pipe system.

Due to the fact that system doesn't contain moving parts, it can be useful where level switches suffers from wear and tear or have problems with magnets that are not strong enough to handle additional friction due to wear.

Please contact us regarding engineered solutions.

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