

we create solutions

aquasant 

SURFACE OIL DETECTION



aquasant[®]

Oil detection in pools and pits
in oil depots and gasoline stands

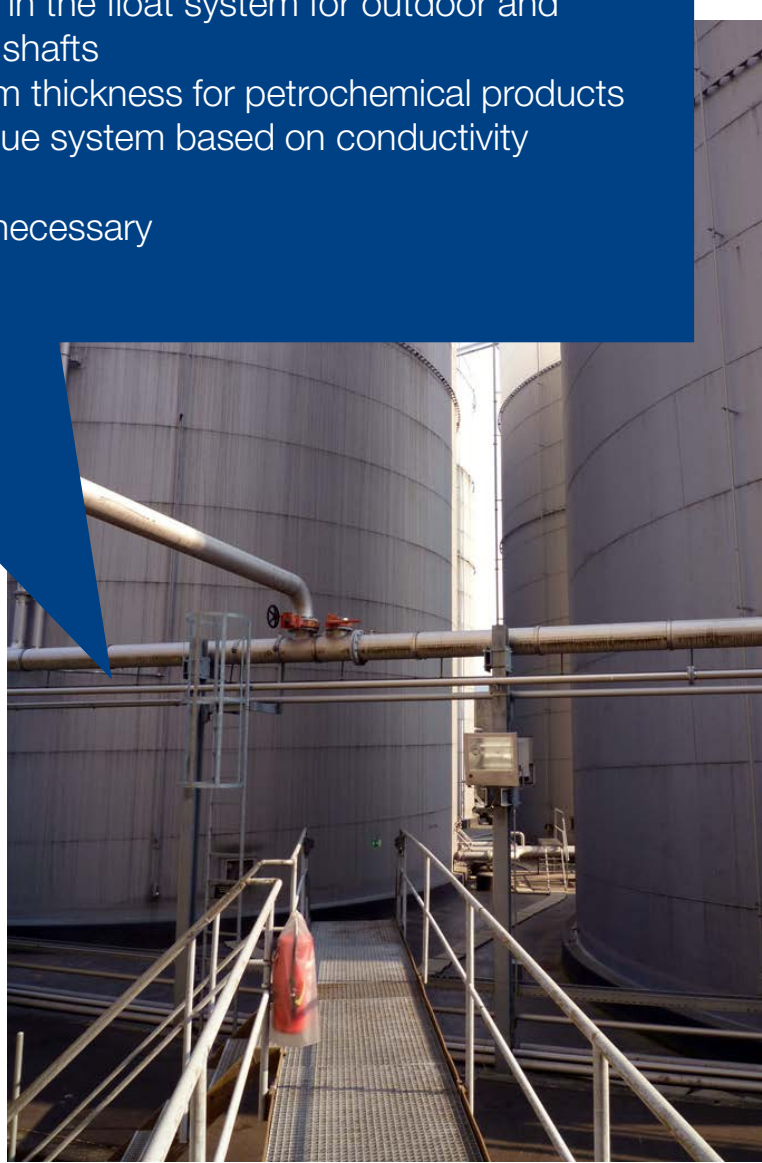
Protection of humans and nature

The surface oil detector type LS21* for the use in pools at tank depots, gasoline stands and there as well at washing areas in the separator. The design is tailored to your requirements. For oil detection the probe can be equipped with a second oil switch, a level measurement, a second limit switch and a protection pipe with heating elements.

- You have demands from the Environmental Protection Agency
- The surface water should be controlled before the discharge into the sewage system
- You want an early detection of leakages

For clean water

- Conductivity sensor in the float system for outdoor and underground use in shafts
- Detection from 1 mm thickness for petrochemical products
- Stand alone limit value system based on conductivity measurement
- No commissioning necessary



The solution for oil surface detection

The high demands for our valuable drinking water obligate us to implement appropriate measures for the early detection of contamination.

The surface oil detector LS21 has been specially developed for tank depots and separators for the control of rainwater and surface water. The LS21 probe allows adherence to the set limit values by the Office for Environment and as a consequence a spill can be avoided. Thanks to the newly developed measuring electronics LW9, no false alarm is triggered, when the conductivity of the rainwater decreases. The float-based system is available in freely selectable lengths.

Description

The product is detected by conductivity with the surface oil detector LS21.1 combined with the on-site measuring electronics LW9, which is then processed by the control unit AS9. The signal is transmitted by 2-wire technology. A relay output corresponding to the measured value is available as output signal.



Application overview of aquasant® LS21*

The easy to use aquasant® LS21* with the AS9* control unit can be configured based on your needs. For oil detection, the monitoring unit can be equipped with a second oil switch value point, a level measurement, a second limit value and a protection pipe with heating elements.

- Detection of oil from 1 mm film thickness
- AS9 control unit for max 3 measuring points
- No calibration necessary
- Timesaving commissioning
- Increased plant availability
- Steel 316L, housing IP67
- Ex-zone II 2G zone 1
- Measuring range DK 1.4 ... >80

The surface oil detector allows ease of use in several customer specific versions in a separator or in a pond.

Profit from our long-term experience and ask for a quotation.