

## Liquid / Gas Medium

### Selection of appropriate leak detectors based on the stored/transported liquid/gas.

When selecting a suitable leak detector to the respective bearing fluid following features of the stored liquid are to be observed:

- Classification into water hazard classes: WHC Class I, WHC Class II, or WHC Class III
- Flash Point, - with a flash point  $< 55^{\circ}\text{C}$ , additionally the temperature class and the explosion group are to be considered.
- Density of the stored liquid, since it determines the selection of container as well as the required switching point of the leak detector alarm.

### In addition to consider when using vacuum leak detectors:

- The viscosity of the bearing fluid may not exceed  $5,000 \text{ mm}^2/\text{s}$ , otherwise the function of the vacuum leak detector can not be guaranteed.
- The leak detector and the connecting pipelines must be tested for resistance against the fluid to be stored/pumped.
- The suitability/stability of vacuum leak detectors to the liquids to be stored/pumped can be looked up in the list of substances of the respective leak detector. If a suitable leak detector for your storage/conveying liquid can not be determined this way, please contact the manufacturer. If necessary, a leak detector in stainless steel must be used. For this, the resistance according to the DIN6601 (positive list) Table 2, material 1.4571 must be double checked.

### In addition to consider when using pressure leak detectors with pump:

- In case of a leakage the possible reaction behavior caused by the monitoring media of the leak detector (ambient air) with the storage medium must be observed. If necessary, a leak detector with the monitoring medium nitrogen must be used.
- For flammable liquids with flash point  $< 55^{\circ}\text{C}$ , the corresponding explosion protection measures must be adhered to.

### Please choose:

Liquids/flammable liquids with a flash point $> 55^{\circ}\text{C}$	Flammable or highly flammable liquids with a flash point $\leq 55^{\circ}\text{C}$	Chemicals	Search
 <p>Nur / only FP<math>&gt;55^{\circ}\text{C}</math>, AIII</p>	 <p>FP<math>&lt;55^{\circ}\text{C}</math>, R10,R11(F) R12 (F+), A1, AII, AIII</p>	 <p>Chemicals FP<math>&gt;100^{\circ}\text{C}</math></p>	 <p>Search For Medium</p>