

KegControl

The Problem

Despite the fact, that kegs are equipped with well secured fittings these days, contamination still occurs during recycling. Contamination that can not be cleaned completely during the process is caused by misuse with paints, fuels or oils.



The Technology

Based on Sensor-Array-Technology, contamination within kegs is detected by measurement of the gas mixture extracted from the containers.

With an array of gas sensitive sensors a pattern can be derived from each measurement of a gas mixture. The standard pattern is defined by the smell produced by the remaining beer content within a recycled container and will be trained into a database during installation. Deviations from this standard are detected and will lead to an alarm if they are not trained as allowed contamination as well.

What can be detected?

Due to the variety of sensors included in the array the instrument reacts with a broad range sensitivity. This ensures the detection of most kinds of possible contamination, even if they are not known in advance.

The system is delivered with a standard database, a refining for the stored pattern is possible during installation or afterwards. With the retrained pattern the limits for the decision -"let it pass" or "stop it"- can be defined.