

# Leak Prevention Technology

*For a clean and protected environment*



## LS 816 – the leak detection system for detecting occurring liquids

For the leakage detection in monitoring chambers and shafts as collecting chambers, manhole pits. LS 816 also monitors double-walled pipes. The leak detection system LS 816 consists of an indicating unit and a sensor.

→ A leak detection system according to EN 13160 class III



LS 816, consisting of an indicating unit (see above) and an appropriate sensor corresponding to the containment to be monitored (see below)

### Indicating unit

The indicating unit (see left) has 8 probe connections. By installing an expansion board, the number can be increased up to 16 probe connections.

- Installation: outside of Ex areas
- Housing: plastic box, protection class IP 30
- Temperature range: 0 ... +40 °C
- Article No.: 105600

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### Sensors



#### Sump sensor FS Ex:

For the monitoring of collecting chambers and tubs, access, inspection, and filling chambers etc. Incl. 1 m cable and dome plate holder

- Installation: zone 1
- Temperature range: -25 ... +60 °C
- Article No.: 105610



#### Pipe monitoring sensor class III FS EX:

For the monitoring of double-walled pipes, incl. 1 m cable, dome plate holder

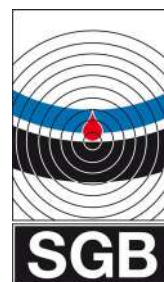
- Installation: zone 1
- Article No.: 105615



#### Combination: Sump and pipe monitoring 2 x FS Ex:

For the monitoring of a collecting chamber (or other) and up to 6 pipes, incl. 1 m cable, dome plate holder

- Installation: zone 1
- Article No.: 105620



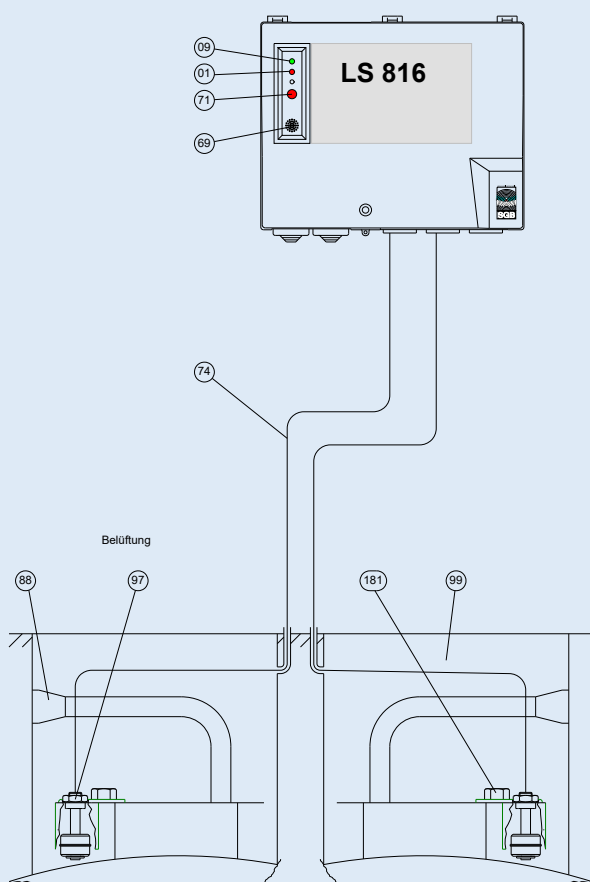
### For the monitoring of

- Collecting chambers and tubs
- Access, inspection, and filling chambers
- double-walled pipes
- closed space with interior overpressure or vacuum

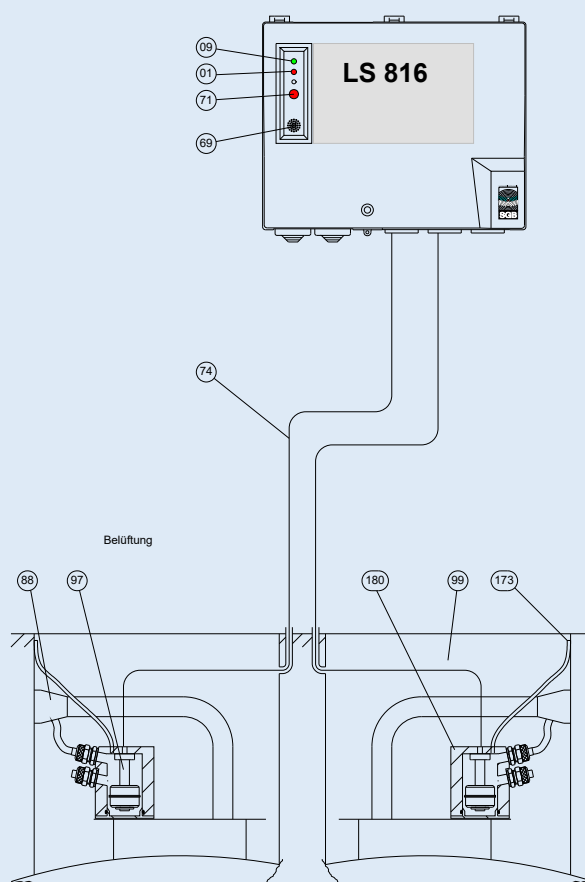
### Monitorable liquids

- Must have a density of  $> 0,7 \text{ kg/dm}^3$
- Must be classifiable in gas group IIA to IIC as well as in temperature code T1 bis T4
- Stainless steel must be resistant to the fluid present

### Installation schemes LS 816



As a leak detection probe in collecting spaces or chambers



As a leak detection system for double-walled pipes



### Contact and Imprint

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