



## LEAK PREVENTION TECHNOLOGY

Our know-how for a clean and protected environment

Technology & Trends 04 | 2025

Dear Sir or Madam,

"A danger foreseen is a danger avoided": This proverb perfectly sums up our profession – leak prevention technology for double-walled tanks and pipes. Whether it's a tiny leak or a major one: Our systems provide the earliest possible warning before environmental or water pollution can even occur – giving operators the opportunity to take proactive measures.

In other words: Leaks themselves cannot be avoided, but with our pressure and vacuum leak detectors, we reliably prevent water-polluting liquids from entering the environment.

But the safety of a plant does not end with the leak detector. It is created by many components – some large, some small, some visible in the foreground, some inconspicuous in the background – which work together to ensure a reliable and safe system.

With this in mind, we would like to inform you today about further features, developments and solutions that will make your plant and your work even safer.

- ▶ **New alarm horn for Ex areas**
- ▶ **Leak prevention solutions for EPS**
- ▶ **Easing inquiries**
- ▶ **Changed opening hours and deadlines at the turn of the year**
- ▶ **Stay connected: SGB now also on LinkedIn**

*Merry Christmas and have a safe New Year!*

## New: alarm horn for Ex areas

- **IP 66**
- **Suitable for continuous operation**
- **Operating range -50 °C to +60 °C**

The new ExII signal horn rounds off our range of signal generators.

Technical data:

- 24 V DC
- 400 mA
- 115 dB (A)

The horn can be installed indoors or outdoors.  
Item no.: 330681-XE



# Safety for emergency power systems in data centers, hospitals and other sensitive infrastructure

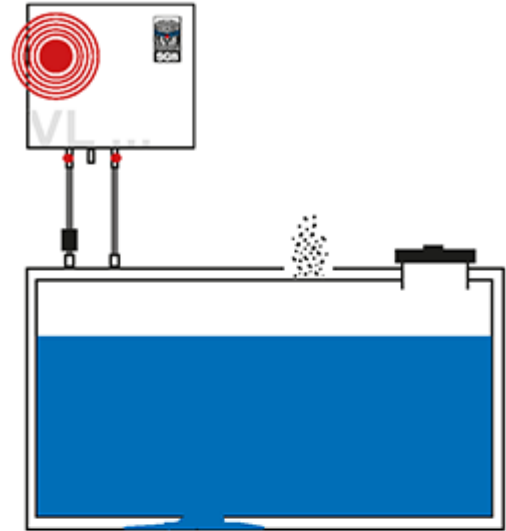
## Safe tank monitoring

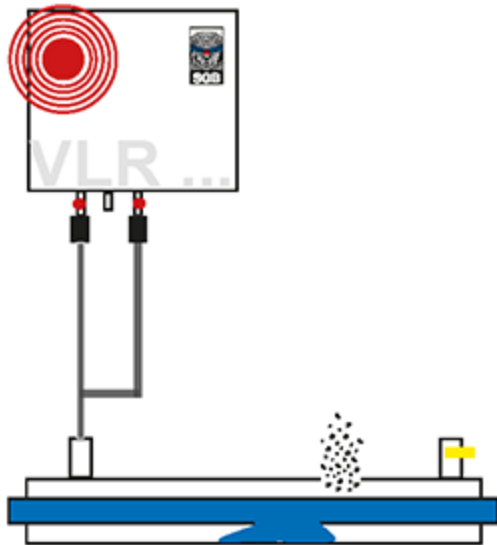
Diesel tanks for emergency power generators and many other containers are reliably and continuously monitored for leaks using the VL 34 and VL 330 vacuum leak detectors. A prerequisite is that the tank is double-walled. The vacuum created in the space between the two walls is monitored by the leak detector. In the event of a leak – whether in the inner or outer wall – an alarm is triggered (both visually and acoustically). The vacuum not only prevents diesel from leaking but also ensures that the storage location remains uncontaminated, allowing the operator to take appropriate action swiftly.

**VL 34 in detail**

**VL 330 in detail**

**[Download brochure "Data Centers"](#)**





## Safe pipe monitoring

Pipes in emergency power systems are monitored with pipe leak detectors. The prerequisite for this is that the pipe is double-walled. The space between the inner and outer pipe is evacuated and then monitored with a vacuum leak detector. In the event of a leak, indicated by the changes in negative pressure, the leak detector, e. g. a VLR 410 E, activates both visual and acoustic alarms. "E" here signifies extended electronic functions, i. e. additional sensors and solenoid valves can be connected.

### **VLR 410 E in detail**

**[Download brochure "Data Centers"](#)**



# Safe monitoring of collecting chambers

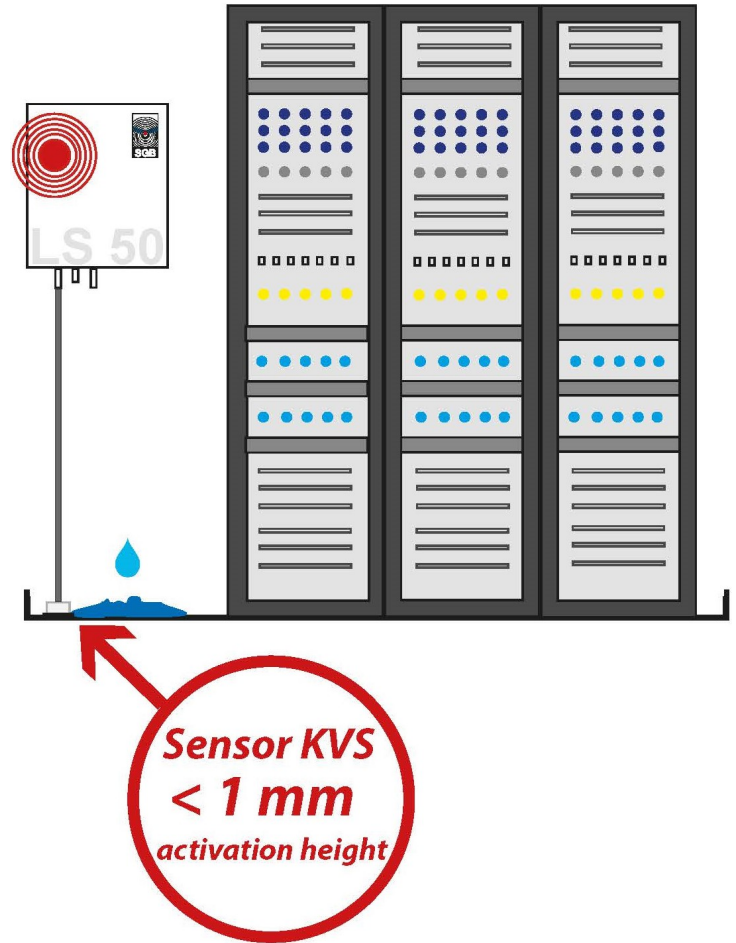
The LS 50 leakage probe reliably monitors collecting chambers, sumps and shafts. It emits an alarm as soon as the sensor comes into contact with liquid.

Multiple sensors with varying response heights are available:

- Float switch (FS), activation height approx. 3 cm
- Conductivity sensor (LS), activation height < 3 mm
- Capacitive sensor (KS), activation height < 5 mm
- Capacitive fleece sensor (KVS), activation height < 1 mm

## LS 50 in detail

Download brochure "Data Centers"



**Leak Prevention Technology**  
For a clean and protected environment

**Questionnaire for monitoring TANKS**

► **Information about stored/transported PRODUCT**

Product name: \_\_\_\_\_ Operating temperature: \_\_\_\_\_  
Density in g/cm³: \_\_\_\_\_ Flashpoint in °C: \_\_\_\_\_  
Viscosity < 5000 mm²/s: ☐ Yes ☐ No e.g. Petrol 0.78, Water 1.0, Glycerin 1.26, Silicone oil 0.9, Honey 1.4

► **Information about TANK/CONTAINER**

Manufacturer: \_\_\_\_\_ Tank acc. DIN EN: \_\_\_\_\_

Tank type:

☐ underground ☐ aboveground ☐ for bottom ☐ vertical

Material outer/inner wall?

☐ stainless steel ☐ stainless steel ☐ stainless steel ☐ (flexible) ☐ (flexible) ☐ (flexible)

☐ polyethylene ☐ polyethylene ☐ polyethylene ☐ polyethylene ☐ polyethylene

Suction line for leak detector to deepest point of interface?

☐ Yes ☐ No

Height or diameter of tank in cm:

\_\_\_\_\_

Overlay pressure inside tank in mbar (above the liquid):

☐ Yes ☐ No

- Air or nitrogen N2?

☐ Air ☐ Nitrogen

## Easing inquiries

Not every leak detector can monitor every tank or pipeline. Depending on the product being monitored, the tank, the pipe, the location, etc., there are many technical requirements that must be taken into account when selecting the right device.

Our questionnaires are designed to make the selection process easier for you: you provide us with the known data for your system, and we put together the technically appropriate leak monitoring solution for you – quickly, tailor-made, and cost-effectively.

You can find our questionnaires on the home page at [sgb.de/en](http://sgb.de/en) or in the **online shop**.

# Opening hours and deadlines at the turn of the year

Please note our changed opening hours and order deadlines at the end of the year:

*Order acceptance for this year's shipping (stock items):*

**22 Dec 2025, 10 a.m.**

*Last working day of 2025:*

**23 Dec 2025**

*Company holidays:*

**24 Dec 2025-4 Jan 2026**

*First working day of 2026:*

**5 Jan 2026**

17	18	19	20	21
24	25	26	27	28
Dezember December Décembre				
Montag Monday Lundi	Dienstag Tuesday Mardi	Mittwoch Wednesday Mercredi	Donnerstag Thursday Jeudi	Freitag Friday Vendredi
1	2	3	4	5
8 <sup>o</sup>	9	10	11	12
15	16	17	18	19
22	23	24	25 <sup>o</sup>	26 <sup>o</sup>
29	30	31		
Januar January Janvier				
Montag Monday Lundi	Dienstag Tuesday Mardi	Mittwoch Wednesday Mercredi	Donnerstag Thursday Jeudi	Freitag Friday Vendredi
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5	6 <sup>o</sup>	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30



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**SGB on LinkedIn**

***Thank you for the trust you have placed in us and for the pleasant cooperation, which we would like to continue just as successfully in the coming year.***

***We wish you and your loved ones a happy and peaceful holiday season and a good start to the new year. Stay healthy and optimistic.***

***Yours sincerely, SGB***





SGB GmbH  
Hofstr. 10  
57076 Siegen  
Germany

T **+49 271 48964-0**  
E [sgb@sgb.de](mailto:sgb@sgb.de)  
I [sgb.de](http://sgb.de)

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