

Options and accessories VLXE-SAB T.. / P..

+ Flashlight

An optical alarm is provided in addition to the acoustic alarm signal.



+ Remote monitoring LOD (Leak detector Online Diagnostics)

The LOD technology establishes a secure and continuous remote monitoring of leak detectors on a 24/7/365 principle. Equipped with LOD the VLXE-SAB T.. / P.. individually monitors each connected interstitial space of the tanks and pipes. Therefore a DTM (Data Transfer Module) is provided for each interstitial space.

All operating conditions and data of the leak detector are recorded and transmitted autonomously every 24 hours via Ethernet connection to the LOD server where they are analyzed. As a result, the correct operation of the leak detector is subject to continuous online examination.

In case of an alarm an automatic notification is given immediately to registered addressees via e-mail. When using the Ethernet module, the data can also be processed into a customer's IT system. For this purpose, SGB provides the appropriate protocol.

PARTICULARLY SUITABLE FOR

- Remote or difficult to access installations
- Unmanned petrol stations
- Emergency power supplies

Versions of VLXE-SAB T.. / P..

► For Tanks (T..)/Containers

- VLXE-SAB T34 1–12 tanks
- VLXE-SAB T330 1–12 tanks

► For Pipes (P..)

- VLXE-SAB P410 1–12 pipes
- VLXE-SAB P500 1–12 pipes

► Combinations for monitoring tanks and/or pipes (T.. / P..)

- VLXE-SAB T34 / P410 max. 12 tanks and/or pipes
- VLXE-SAB T34 / P500 max. 12 tanks and/or pipes
- VLXE-SAB T330 / P410 max. 12 tanks and/or pipes
- VLXE-SAB T330 / P500 max. 12 tanks and/or pipes

LEAK PREVENTION TECHNOLOGY

For a clean and protected environment

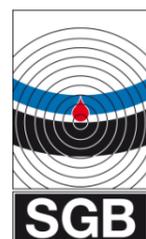


VLXE-SAB T.. / P..

The first vacuum leak detector for monitoring several tanks and/or pipes at petrol stations



- For outdoor installation (SAB = Stand Alone Box)
- Remote monitoring



Contact und Imprint

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Leak detector VLXE-SAB T.. / P..

The vacuum leak detector VLXE-SAB T.. / P.. is the 100 % continuous and secure interstice monitoring of up to 12 double-walled tanks and/or pipes. Depending on the model the VLXE-SAB T.. / P.. is equipped with 1 or 2 pumps as well as an explosion-protected sensor per tank/pipe. In case of a vacuum loss at any tank/

pipe, an alarm is triggered (central display outside and separately for each sensor inside). Each leak will be reliably indicated – regardless whether it is in the inner or outer wall. And this *before* any stored or conveyed liquid can enter and pollute the environment!

➔ A leak prevention system which realizes the highest European environmental protection level of EN 13160, class I

Vacuum monitoring principle

The integrated pump of the VLXE-SAB T.. / P.. generates and maintains an operational underpressure in the interstitial space. Any minor unavoidable leakage is automatically compensated by the system. In case of an ongoing vacuum loss the negative pressure drops to the alarm pressure. The acoustic or optical alarm is released. The interstitial spaces of the monitored tanks/pipes must be sufficiently under-pressure resistant.

Standard version VLXE-SAB T.. / P..

The standard version includes

- A central display outside (power, alarm, acknowledgement key),
- Internal displays per interstitial space with additional digital pressure display,
- An acoustic signal,
- Potential free contacts for alarm forwarding (available separately, collective, or combined).

The connections are designed for polyamide and copper pipes of dimension 8/6 x 1 mm (compression ferrule CF 8/6).

Technical Data

Operational temperature range -20°C up to +60°C
Power supply 100-240 VAC,
 50-60 Hz

Switching values

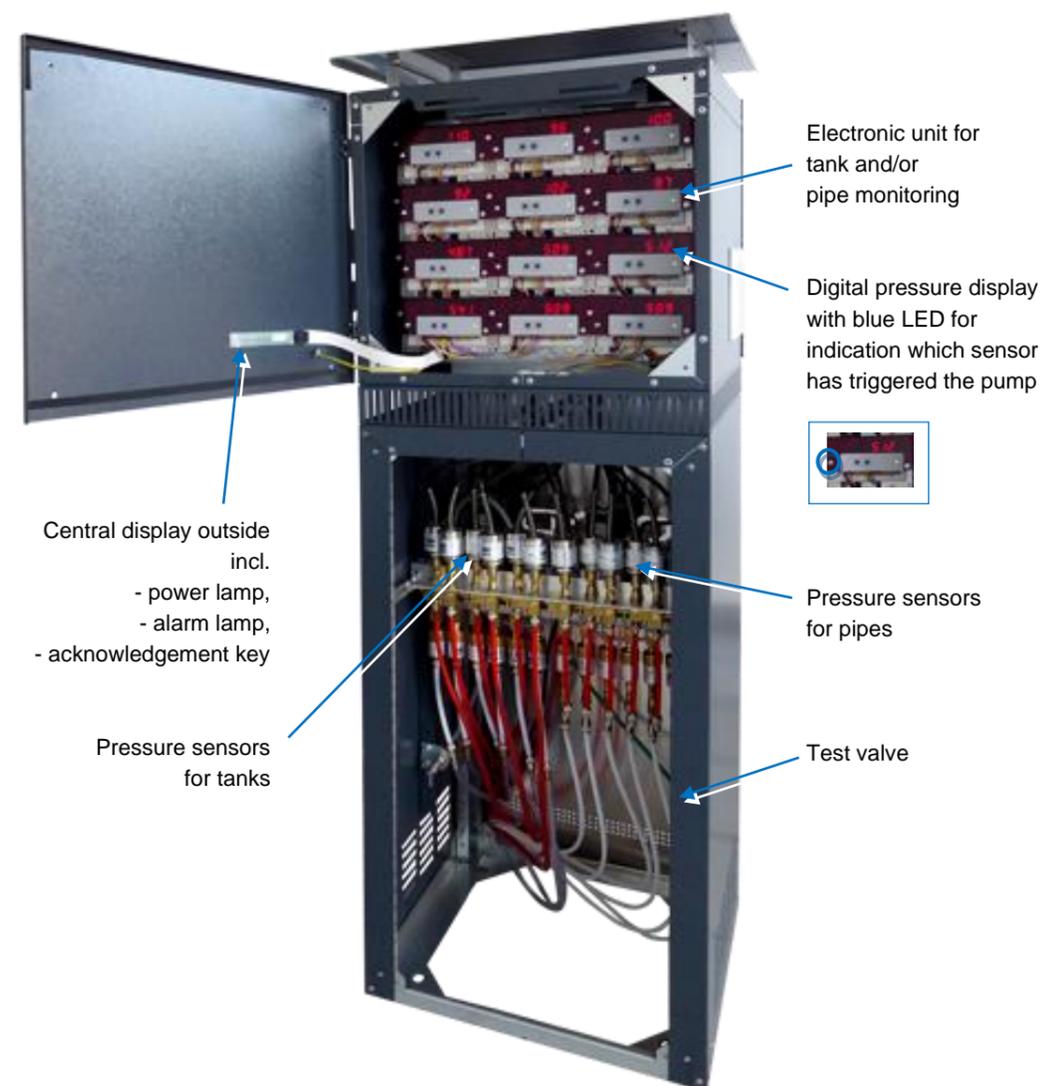
► Tanks/Containers

Type	Alarm under-pressure > (in mbar)	Operational underpressure ≤ (in mbar)	Vacuum operability interstice ≥ (in mbar)
T34	-34	-90	-500
T330	-330	-450	-600

► Pipes

Type	Alarm under-pressure > (in mbar)	Operational underpressure ≤ (in mbar)	Vacuum operability interstice ≥ (in bar)
P410	-410	-540	-0,75
P500	-500	-630	-0,85

Interior view of VLXE-SAB T.. / P..



Advantages & high ease of use:

- > Slim container with little space requirement (500 x 1580 x 420 mm), also available in stainless steel
- > Solid metal box
- > Completely pre-assembled for a quick and easy installation
- > Easy control and maintenance of pneumatic parts
- > Standard positioning of manifolds
- > Electronic operation of the unit for an efficient and fast annual function test



Monitorable tanks/containers

- > Unpressurized tanks
 - T34: Only for tanks with a suction line to the deepest point of the interstitial space
 - T330: Tanks with a diameter of ≤ 3.0 meters and a sufficient underpressure resistance

Monitorable pipes

- > Metallic and non-metallic pipes
 - P410: For filling lines and vapor recovery lines
 - P500: For suction lines, filling lines, and vapor recovery lines

Monitorable liquids

Liquids hazardous to water, for which the brass design of the leak detector is sufficiently resistant. Occurring vapor-air-mixtures must be heavier than air as well as classifiable in gas group IIA or IIB and temperature code T1 to T3, like gasoline, diesel, AdBlue for example.

Installation

The VLXE-SAB T.. / P.. is suitable for outdoor installation and for certain ex-zones.