



Options and accessories VLXE .. M



+ **Si (= service indication):**
Time intervals for maintenance are adjustable from 1 up to 63 months.

+ **Remote monitoring LOD (= Leak detector Online Diagnostics):**
For a 24/7/365 secure and continuous remote monitoring of the leak detector. All operating conditions and data are recorded and transmitted autonomously every 24 h via Ethernet connection to the LOD server where they are analyzed. In case of an alarm an automatic notification is given immediately to registered addressees via e-mail.

+ **Hood for housing:**
Extra protection for the leak detector against weather conditions in case of outside installation; material: stainless steel 1.4301; dimensions: 348 x 365.5 x 250 mm; art.no. 412261



Technical data

Weight	8.3 kg
Operational temperature range	-40 °C up to +60 °C
Sound volume Summer	> 70 dB(A) in 1 m
Protection class	IP 54
Power supply	100-240VAC, 50-60 Hz Optional: 24 VDC
Power input	50W (incl. heating)
External signal	max. 24 VDC, max. 300 mA
Potential free relay contacts	DC ≤ 25 W or AC ≤ 50 VA
Ex data/ Attention:	⊕ II 1/2G Ex c IIB3 T4 Ga/Gb
only pneumatic part	

Switching values VLXE .. M

Type	Alarm ON, at the latest:	Pump OFF, not more than :	Vacuum operability interstice \geq :
34*	34 mbar	100 mbar	250 mbar
80	80 mbar	140 mbar	400 mbar
230	230 mbar	360 mbar	650 mbar
255	255 mbar	380 mbar	650 mbar
330	330 mbar	450 mbar	700 mbar
410	410 mbar	540 mbar	750 mbar
500	500 mbar	630 mbar	850 mbar
570	570 mbar	700 mbar	900 mbar

* Only with suction line to the deepest point of interstitial space

LEAK PREVENTION TECHNOLOGY

For a clean and unpolluted environment

The 3rd generation in leak detection technology:

VLXE .. M

The first full electronic vacuum leak detector for monitoring of double-walled tanks and pipes with ex fluids



Cost-efficient leak monitoring of SEVERAL tanks and/or pipes for outdoor installation

The fully electronic vacuum leak detector VLXE-SAB T.. / P.. monitors up to 12 tanks/containers as the T version, up to 12 pipes as the P version, and tanks as well as pipes as the combined version T / P.

The VLXE-SAB T.. / P.. is the perfect solution for monitoring several tanks and/or pipes because installation efforts can be significantly minimized by outdoor positioning due to its compact, weather-proof housing (stand-alone box).



VLXE-SAB T/P



- Innovative technology
- For tanks with petrol leak protection lining: VLXE 34 M
- Available also with remote monitoring LOD



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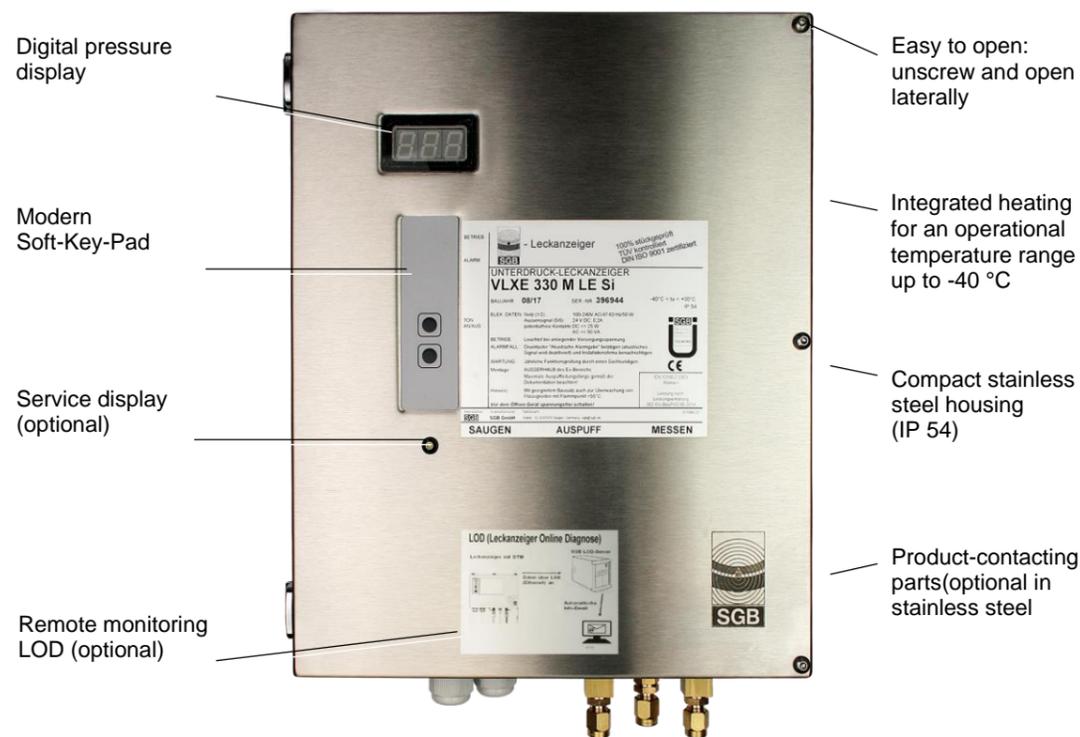
Vacuum Leak Detector VLXE .. M

The leak detector VLXE .. M is a leak detection system for monitoring double-walled tanks and pipes. Its full electronic equipment is unique. With its partially explosion-proof design, ethanol-containing fuels can also be monitored. Due to the safe and continuous

monitoring each leak will be reliably indicated – regardless whether the leak is in the inner or outer wall. And this *before* any stored or transported fluid can enter the environment!

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

The new technical equipment



Advantages & high ease of use:

- > One-piece housing for lateral opening
- > Microprocessor controlled data logging
- > Digital pressure display „M“
- > Automatic calculation and display of the tightness of the entire system
- > Insensible soft-key-pad that is completely tight integrated into the housing's surface
- > High-quality robust stainless steel housing (IP 54)
- > Multirange power supply: 100–240 V AC or optional 24 V DC
- > Full electronic – thereby LOD remote monitorable
- > Resistant to many liquids through brass or stainless steel version
- > Potential-free relay contacts are standard



Monitorable tanks (unpressurized)

Tanks with max. 50 mbar overpressure, for example due to vapour recovery lines, for liquids with a flash point $\leq 60^\circ\text{C}$ (Germany $\leq 55^\circ\text{C}$) are considered to be unpressurized. This may be e.g.:

- Single-walled horizontal cylindrical tanks with lining or jacketing
- Double-walled horizontal cylindrical tanks
- Double-walled or single-walled with lining or jacketing vertical cylindrical tanks or sumps with dished bottoms
- Rectangular or cylindrical tanks or sumps with flat bottoms (completely double-walled or with lining or jacketing)

Monitorable pipes

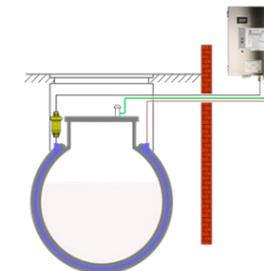
- Unpressurized pipes with a flash point $\leq 60^\circ\text{C}$ (Germany $\leq 55^\circ\text{C}$) e.g. filling or suction lines

Pipes must be suitable and sufficient pressure resistant.

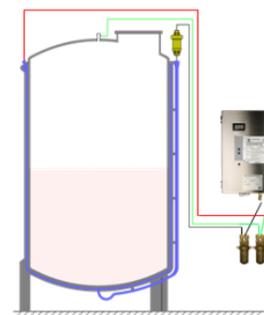
Installation kits for connecting the leak detector are available from stock for all common pipe manufacturers.

Installation examples (installation of the leak detector always outside an ex-area:

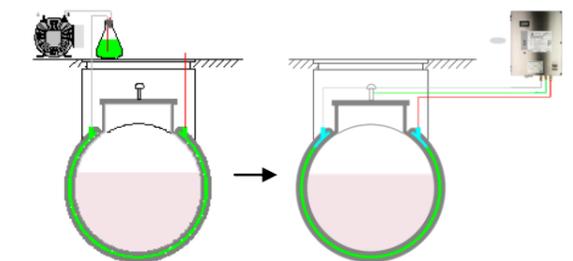
- > Tanks with lining or double-walled steel tanks



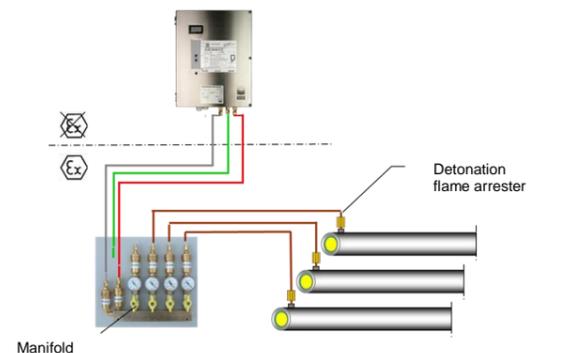
- > Vertical cylindrical tanks



- > Change over from liquid leak detection to vacuum monitoring



- > Pipes



Monitorable liquids

Water-polluting liquids for which the design of the leak detector in brass or stainless steel is considered sufficiently resistant. Occurring vapour-air-mixtures must be heavier than air as well as classifiable in gas group IIA up to IIB3 and temperature code T1 up to T3, like gasoline, diesel, AdBlue for example.

If different water-polluting liquids are conveyed in single pipelines, these should be monitored with several leak detectors for safety reasons. Thus, possible impurities or unwanted chemical reactions can be reliably avoided.