Options and accessories VLXE-SAB T/P

Flash light horn
In addition to the acoustic alarm signal, the flashlight provides an optical alarm. Data: IP 54, 24 V DC, suitable for outdoor installation. Art.no. 330676

Heating
With the additional heater, the VLXE-SAB T/P can even be used at temperatures as low as -40 °C.

Switching values VLXE-SAB T/P (extract)

T = Tank/Container
P = Pipe

Type	Alarm ON, at the latest:	Pump OFF, no more than:	Suitability* of the interstitial space given for:
T34	-34 mbar	-90 mbar	-500 mbar (340 bar**)
T240	-240 mbar	-310 mbar	-340 mbar***
T330	-330 mbar	-450 mbar	-700 mbar
P230	-270 mbar	-330 mbar	-650 mbar
P410	-410 mbar	-540 mbar	-750 mbar
P500	-500 mbar	-630 mbar	-850 mbar

* Is considered fulfilled for double-walled steel tanks according to EN 12285. Lower values are possible with appropriate protection, possibly with the use of a underpressure valve.
** For the protection of the interstice a vacuum valve is recommended.
*** For operation, it is mandatory to install a underpressure valve to protect the interstitial space.

Special application?

We have the right solution for pneumatic leak monitoring at your plant. Just get in touch with us!

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LEAK PREVENTION TECHNOLOGY

For a clean and protected environment

24/7 leak monitoring of both inner and outer wall

Tank and pipe leak monitoring with only one system

Autonomous pumps, intact tanks, no programming

NEW

VLXE-SAB T../P.. – safety for tanks and pipes at petrol stations

The fully autonomous vacuum leak detector in the stand-alone box (SAB), which can be set up independently of the building, and with integrated performance-adapted vacuum pumps is the permanent and safe leak monitoring system for double-walled tanks and pipelines at petrol stations. With only one VLXE-SAB T/P, up to 16 underground tanks and/or pipelines can be monitored.

Tank, medium and environment are protected 24/7

If there is a loss of vacuum in one of the tanks or pipes, an alarm is triggered (shown on the central display outside and separately for each interstitial space inside).
Any leak – whether in the inner or outer wall – is reliably indicated before the stored/conveyed liquid can escape into the environment! This way the operator gains valuable time to take active measures.

Autonomous: operation WITHOUT submersible pump

The VLXE-SAB T/P thus fulfils the highest environmental protection and safety requirements of the European standard EN 13160, class I.

Energy-saving interstitial space monitoring

By using high-quality solenoid valves in the suction lines, only those tanks/pipes are re-evacuated where the vacuum drops. For this purpose, energy-saving vacuum pumps are used that are integrated into the leak detector and whose performance is adapted. The other interstitial spaces are closed by the solenoid valves. This effectively prevents excessive negative pressures from entering the system and reliably protects the tanks. This autonomously functioning SGB technology ensures continuous interstitial space leak monitoring – an advantage when, for example, the submersible pumps are out of operation.

Installation and commissioning

The VLXE-SAB T/P has been specially developed for outdoor installation. For Ex areas, the following applies: Category 2 up to the ventilation level at 1 metre above the floor.
Due to the electronic programming already carried out in the factory, the leak detector is ready for use immediately. There is no need for an on-site, time-consuming teaching of the system to the monitoring room's characteristics.

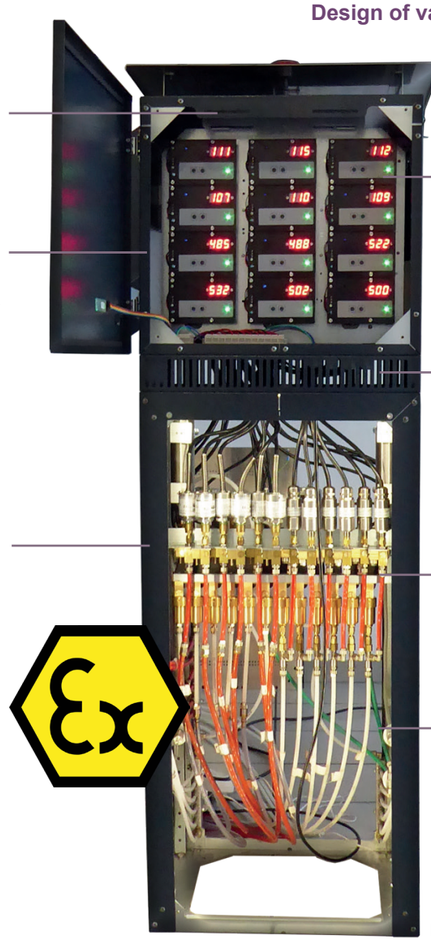
Practical options

- Flash light horn
- Heating H

Practical: stand-alone box for outdoor installation

Protected: tanks/container remain unscathed	**Universal: temperature resistant -40 °C...+60 °C**	**Standardised: position of the manifolds**	**Clear: all system pressures at a glance**	**Easy: no complex programming**
Safe: solenoid valves prevent excessive negative pressures	**Fast: installed by pre-assembly**	**Flexible: voltage optionally with 24 V AC**	**Tailor-made: with or without flash light horn**	**Economical: low energy consumption**

Design of vacuum leak detector VLXE-SAB T../P..



Holding device for removable mounting plate

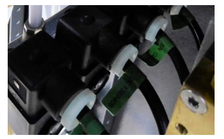
Upper part with electrical connection and individual displays and operating units for connected interstitial spaces
- IP 54
- no explosion protection

Lower part with pneumatic connections for tanks and pipes.

Explosion protective components are fitted here.

Leak indicating unit with signal lamps „alarm“ (red), „operation“ (gree“) and „pump operating“ (blue) as well as mute button

Ventilation as zone division



Solenoid valves in all suction lines

Energy-saving, independent working vacuum pumps

Pic. VLXE-SAB T../P.., front view, open, here with flash light horn

Practical: status display at first glance!

Technical data

General data

Storage temperature:	-40 °C ... +60 °C
Operating temperature:	-20 °C ... +60 °C
- with heating:	-40 °C ... +60 °C
Weight:	80 kg
Volume buzzer:	> 70 dB(A) in 1 m
Housing protection class:	IP 54

Electrical data

Power supply:	100 ... 240 V, 50/60 Hz
Power consumption:	125 W ... 250 W
Fuse protection:	max. 10 A (1500 A switching capacity)
Overvoltage category:	2

Ex data (lower part)

Leak detector:	Ex II 1/2G Ex me IIB3 T4 Ga/GB