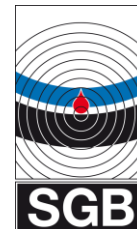


Leak detection technology

For a clean and protected environment



Vacuum leak detector VLX .. A-Ex and leak indicating unit LAE



VLX .. A-Ex, working unit, suitable for zone 1.



Leak indicating unit LAE. The LAE must be installed outside a potentially explosive area.



Leak indicating unit LAE 3-8 for connecting up to 8 leak detectors (working units)

Leak detector in an explosion-proof design for monitoring tanks and pipes with flammable classified liquids. This leak detection device consists of a working unit VLX .. A-Ex (category 2, zone 1) and a leak indicating unit LAE (outside ex-areas).

Several versions of the leak detector VLX .. A-Ex make a perfect adaptation to local conditions. Because they are small, light and weather protected. No heating is necessary for outdoor installation.

The simple and easy installation is being supported by suitable installation kits. The electrical connection between the leak detector and indicating device LAE is done only with one cable. All electrical and pneumatic construction pieces are equipped with suitable explosion protection.

Three-way test valves in the measuring and suction line allow a simple and quick function check of the entire system. Dry relay contacts for alarm transmitting are standard.

The liquid confined parts of the leak detector and the related accessories are available in brass or stainless-steel design.

As all SGB leak detectors the VLX .. A-Ex monitors permanent both walls of a double-walled system and indicates optically and acoustically every leak before any product can enter the environment.

The leak detector VLX .. A-Ex fulfils all requirements regarding explosion protection and gives the highest environmental protection level in accordance to class I of the European standard on leak detection EN 13160.

Monitorable tanks/pipes:

- Double-walled underground or aboveground tanks, for example DIN 6608, 6616, 6623, 6618/2
- Single-walled tanks equipped with a lining
- Double bottoms of flat bottom aboveground storage tanks
- And others as long as the use together with the VLX .. A-Ex is acceptable
- Double-walled pipes

Monitorable liquids:

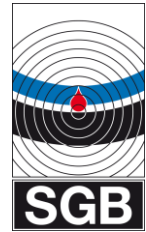
Water polluting liquids. Hazardous vapours of the liquids must be classified in gas group II A or II B and temperature code T 1 up to T 3, e.g.: gasoline/ petrol, jet fuel, diesel, chemicals, lye, acid

Switching values:

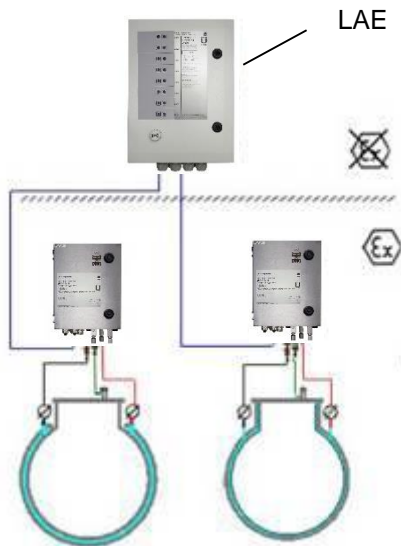
Alarm underpressure (mbar)	Operating underpressure (mbar)
34 for VLX 34 A-Ex	ca. 100 mbar
330 for VLX 330 A-Ex	ca. 500 mbar

Leak detection technology

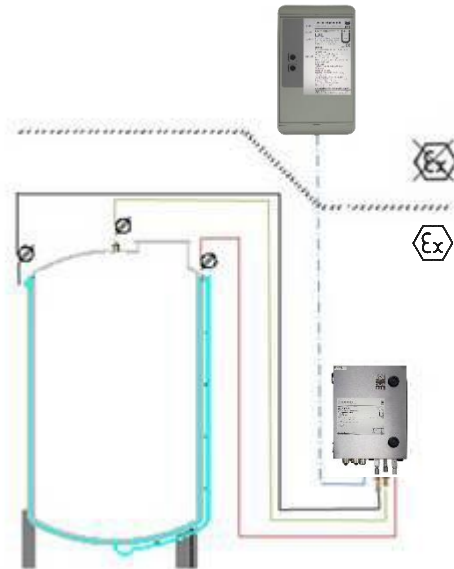
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Leak detector VLX .. A-Ex – installation examples



VLX 330 A-Ex with LAE 3-8 at several tanks acc. to DIN 6608/2

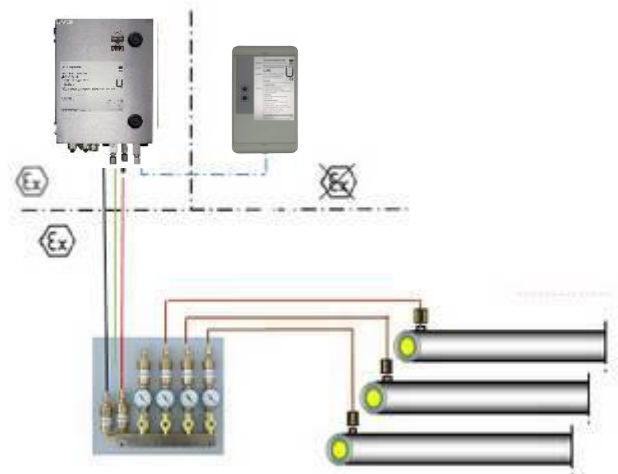


VLX 34 A-Ex with LAE at one tank acc. to DIN 6618/2

All variations of the VLX .. A-Ex and VLX .. Ex can be used for the different type of tanks. So, we recommend for a tank farm the VLX 330 A-Ex with the leak indicating unit LAE.

Other variations, which are not shown here, will give the right answer to a wide field of applications.

Installation, starting up and maintenance shall be done by a qualified person in accordance to the documentation and the approval.



VLX 330 A-Ex with LAE monitoring several double-walled pipes