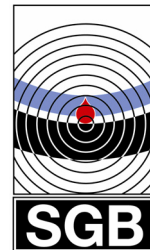


Leak detection technology

New

For a clean and protected environment



Overpressure leak detector DL..P and DL..PM



DL 450 PM with weatherproof design
P with digital pressure indication M

An overpressure leak detector for the monitoring of double walled tanks with different alarm pressure settings and in a weather proof design.

Depending on the application we offer drying filters in different sizes to realise operation with low maintenance requirements.

The actual pressure in the system is indicated with a digital display in the front of the box.

The tank interstitial space shall realise sufficient pressure resistance depending on the used leak detector.

The types DL 450 PM and DL 590 PM are also available with filter control FC. (DL 450 PFCM or DL 590 PFCM)

Each leak in either one of the walls will be indicated before any product can enter the environment.

A Class I leak detection system in accordance to the European standard EN 13160.

For the monitoring of:

- Double walled tanks with a sufficient high test pressure of the interstitial space.

Liquids to be monitored:

- Water polluting liquids
eg. Petrol, Diesel, heating oil, lye, acids

Approvals:

- Germany: Z - 65.23 -409

| Type | Alarm-pressure > | Operating pressure < | Test pressure of interstitial space > |
|------------|---------------------|-------------------------|--|
| DL 450 PM | 450 | 510 | 600 |
| DL 590 PM | 590 | 700 | 850 |
| DL 750 PM | 750 | 850 | 1000 |
| DL 1100 PM | 1100 | 1450 | 1820 |
| DL 2300 PM | 2300 | 2770 | 2950 |
| DL 3000 PM | 3000 | 3400 | 4150 |

Sold by:

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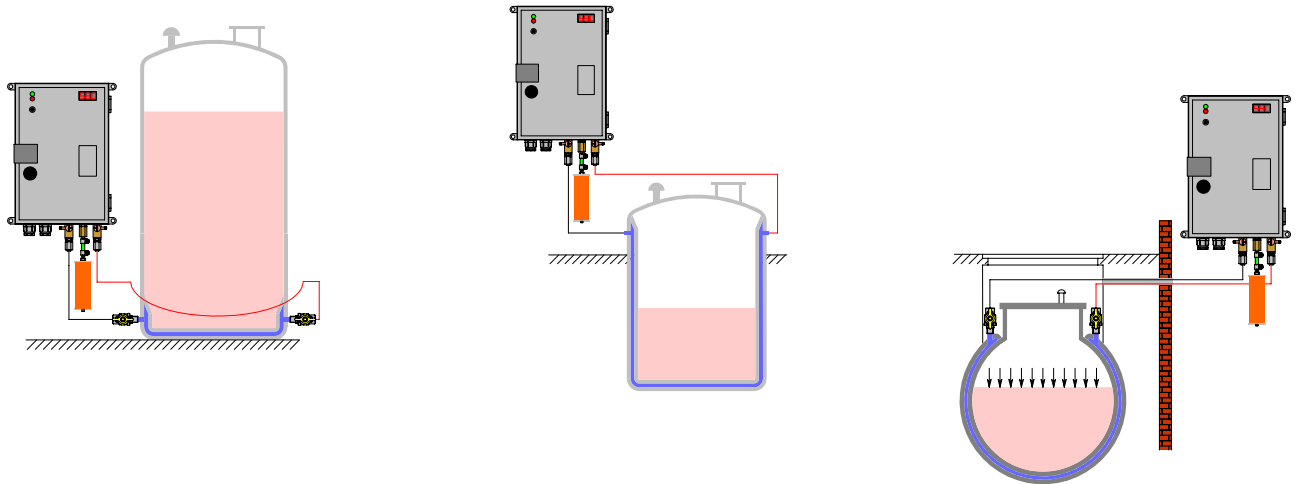
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<http://www.sgb.de>

Leak detection technology

For a clean and protected environment



Overpressure leak detector DL..P and DL.. PM



Monitoring principle:

The pump in the leak detector creates a fixed operational overpressure in the interstitial space.

In case of a leak, the compressed air will escape through the leak. This prevents product or groundwater entering the interstitial space.

Any minor unavoidable untightness is compensated by the system automatically.

If the volume flow of air escaping from the interstitial space is higher than the limited volume flow of the pressure pump, the pressure will drop to the alarm pressure.

An optical and audible alarm will be released.

The compressed air in the interstitial space is dried by the dry filter mounted to the leak detector. Therefore a condensation of water in the interstitial space is prevented.

An overpressure valve avoids the occurrence of an inadmissible overpressure in the interstitial space.

Installation advice:

The leak detector shall not be installed in potentially explosive atmospheres.

For the installation outside closed and dry rooms, the leak detector offers the required weather protection.

Coloured, flexible or rigid and sufficient pressure resistant tubes are to be used as a connection between leak detector and interstitial space.

Useful fittings on the leak detector guarantee a quick and safe examination of the functions.

Additional alarm signal units can be connected directly to the leak detector. Dry relay contacts for alarm transmitting are available as a standard.

When operating, installing and commissioning the leak detector DL..P or DL..PM, the conditions laid down in the approvals for the leak detector, tanks and linings are to be observed.

All works shall be carried out by a qualified person.

Subject to changes. Photos and dimensions are not binding for the extend of delivery.

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