

Leak detection technology

For clean and protected environment



New

Over pressure leak detector DL 330



Leak detection system to detect and indicate leaks in double-walled tanks. The leak detector DL 330 can monitor several underground tanks or one aboveground tank.

Leaks in one of the walls will be detected and indicated by an optical and audible alarm before any stored product can enter the environment.

A class I - leak detection system, with the highest environmental protection level in accordance to the European standard EN 13 160.

Liquids:

- Water polluting liquids
e.g.: petrol/gasoline, heating oil, diesel, lye, acid

For the monitoring of:

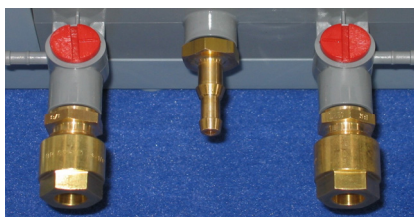
- double-walled tanks with a test pressure of the interstitial space of min. 500 mbar (e.g. applicable tanks in accordance to the EN-standard). Maximum pressure of the stored liquid to the bottom of the tank: 300 mbar
- tanks with permeable inner wall only for liquids with flash point above 55°C.

Approvals:

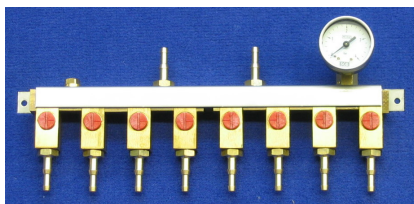
Germany: Z - 65.23 – 409



Two three-way valves made of hit resistant plastic for a quicker and easier function test



Connections for tubing in different type's available e.g. 8 mm ferrule union



Manifolds for a connection up to 8 tanks



Alarm pressure	Operating pressure	max. pressure to bottom of the tank
330 mbar; 4,79 psi	400 mbar; 5,80 psi	300 mbar; 4,35 psi



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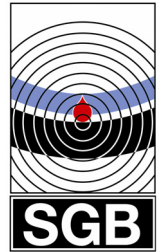
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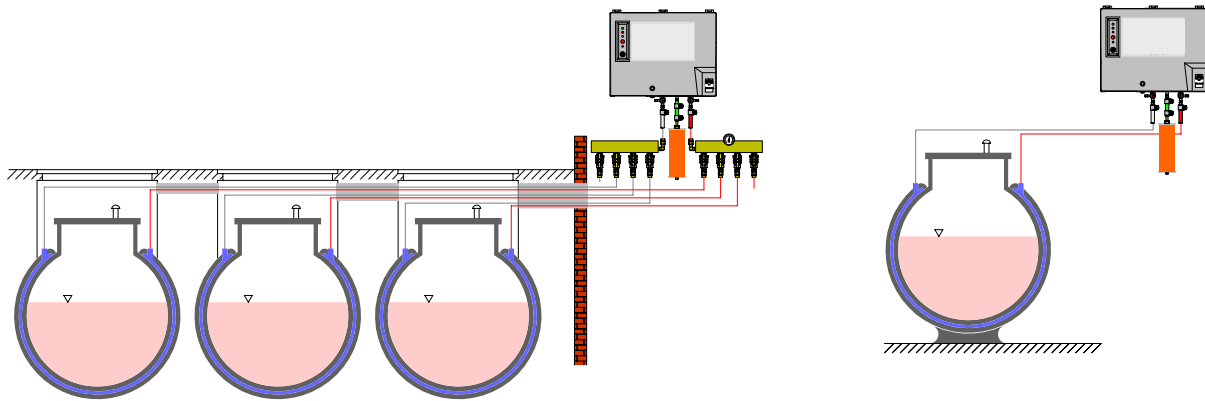
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Monitoring principle:

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 hazardous classified areas.

Outside closed and dry rooms, the leak detector has to be installed in a suitable protection box.

Coloured, flexible or rigid 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 included. When operating, installing and commissioning the leak detector DL 330, 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.



DL 330 PFCM

P = weatherproof housing

FC = dry filter control

M = digital pressure reading
in the housing's lid

Additional options are available:

- Weatherproof housing
- Dry filter control
- Digital pressure manometer

Please contact us, we are happy to be of assistance.

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

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