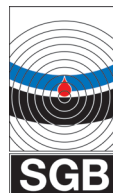


LEAK PREVENTION TECHNOLOGY

For a clean and protected environment



Pressure leak detectors for tanks DL 50 | DL 100 | DL 230



NEW: DL .. 8S

Combined monitoring of
tanks and manhole
chambers

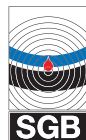


Variants • Equipment • Accessories

SCAN ME



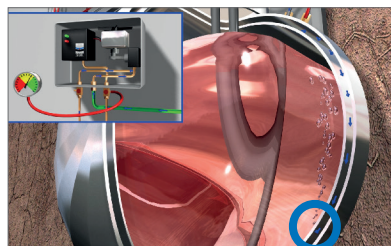
shop.sgb.de
All products now online!



Pressure leak detectors DL and DLG

Monitoring principle “overpressure”

With the DL leak detectors an overpressure is built up in the interstitial space of the container. The operating pressure and the alarm pressure of the leak detector are higher than the pressure of the stored goods or the groundwater against the container walls. In case of a leak in one of the two walls, air escapes from the interstitial space. An escape of the stored material into the environment is thus reliably prevented.



- > Minor leaks in the system are automatically compensated by the integrated pump.
- > Relevant leaks lead to a pressure drop. Upon reaching the alarm pressure an optical and audible alarm will be triggered.

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.

SCAN ME



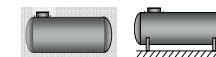
Optional equipment

- > FC (filter control) (only DL)
- > M (manometer)
- > P (protected)
- > Si (service indication)

NEW

8S: The combined monitoring for leak of containments and man-hole chambers, tanks sumps, etc. via leakage sensors

DL 230 and lower



Pressure leak detector using air as leak detection media. Depending on the tank specifications (size, volume, diameter, pressure resistance, size of the interstitial space, ...) either the DL 50, DL 100, or DL 450 will be used. The numbers indicate the respective alarm pressure.

Monitorable double-walled tanks:

- Diameter up to 2,0 m and test pressure in the interstitial space of min. 400 mbar
- **DL 230**

Monitorable liquids:

Water polluting liquids e.g. petrol, gasoline, heating oil, diesel, ley, acid. The leak detection medium (air) must not react with the stored material. Vapor-air mixtures, arising from

- the stored liquid,
- the stored liquid combined with air/humidity or condensation,
- the stored liquid combined with components (materials) with which the liquid comes into contact must be classifiable in gas group IIA and IIB as well as in temperature code T1 to T3.

Attention must be paid to the permeation tightness of the inner wall.



DL 50



DL 230 PM - weather-protected stainless-steel housing (P) and digital pressure display (M)

Switching values DL (in mbar):

Type	Alarm pressure >	Operating pressure <	Max. pressure to bottom of tank	Min. test pressure of interstitial space
50	50	100	20	200
100	100	150	70	250
230	230	310	200	400

Article report leak detector DL ..
with **PA-hose as connection line**

Connection copper pipe on request

Connection copper pipe on request

Article report leak detector DL ..
with **PVC-hose as connection line**

Leak detector DL 230



Art.-No.	Description	Euro	Qty
0600230-07	Leak Detector DL 230, 230VAC, pl-box, QU8/6		1 pce

PA-hose



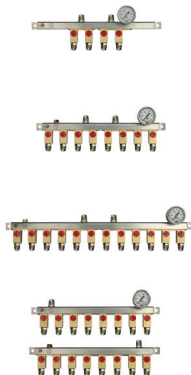
Art.-No.	Description	Euro	Qty
260517	PA-hose, PN 6, red, 8/6x1mm, 100m roll		1 roll
260519	PA-hose, PN 6, off -white, 8/6x1mm, 100m roll		1 roll

Installation kits



Art.-No.	Description	Euro	Qty
190404-07	Inst. kit DL..., R1/2"m - QU8/6, for PA-hose 8/6x1mm		1 pce
190405-07	Inst. kit DL..., R3/4"m - QU8/6, for PA-hose 8/6x1mm		1 pce
190406-07	Inst. kit DL..., R1"m - QU8/6, for PA-hose 8/6x1mm		1 pce

Manifolds for combining
several underground tanks



Art.-No.	Description	Euro	Qty
196021-07	Manifold 2 tanks, gauge 1bar, QU8/6		1 pce
196031-07	Manifold 3 tanks, gauge 1bar, QU8/6		1 pce
196041-07	Manifold 4 tanks, gauge 1bar, QU8/6		1 pce
196051-07	Manifold 5 tanks, gauge 1bar, QU8/6		1 pce
196061-07	Manifold 6 tanks, gauge 1bar, QU8/6		1 pce
196071-07	Manifold 7 tanks, gauge 1bar, QU8/6		1 pce
196081-07	Manifold 8 tanks, gauge 1bar, QU8/6		1 pce

Leak detector DL 230



Art.-No.	Description	Euro	Qty
060023000	Leak Detector DL 230, TF180, 230VAC, pl-box, hose with 4 or 6 mm i.d.		1 pce

PVC-hose



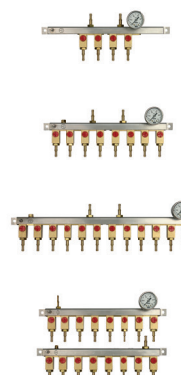
Art.-No.	Description	Euro	Qty
260111	PVC-hose, red, 10/6x2mm, 100m roll		1 roll
260115	PVC-hose, clear, 10/6x2mm, 100m roll		1 roll

Installation kits



Art.-No.	Description	Euro	Qty
190404-00	Inst. kit DL..., R1/2"m - S6, for PVC-hose 10/6x2mm		1 pce
190405-00	Inst. kit DL..., R3/4"m - S6, for PVC-hose 10/6x2mm		1 pce
190406-00	Inst. kit DL..., R1"m - S4+S6, for PVC-hose with 4 or 6 mm i. d.		1 pce

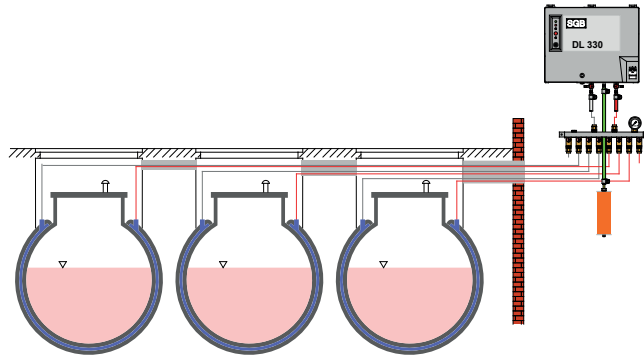
Verteilerleisten zum Zusammenschluss mehrerer unterirdischer Behälter



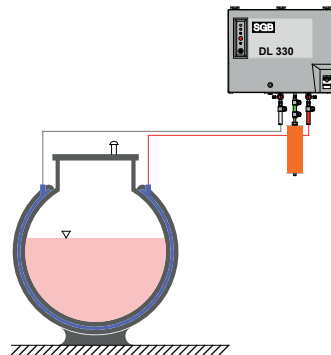
Art.-No.	Description	Euro	Qty
196021-00	Manifold 2 tanks, gauge 1bar, QU8/6		1 pce
196031-00	Manifold 3 tanks, gauge 1bar, QU8/6		1 pce
196041-00	Manifold 4 tanks, gauge 1bar, QU8/6		1 pce
196051-00	Manifold 5 tanks, gauge 1bar, QU8/6		1 pce
196061-00	Manifold 6 tanks, gauge 1bar, QU8/6		1 pce
196071-00	Manifold 7 tanks, gauge 1bar, QU8/6		1 pce
196081-00	Manifold 8 tanks, gauge 1bar, QU8/6		1 pce

Installation scheme DL ..

One **DL 230** is able to monitor several underground tanks via manifolds:



In addition the **DL 230** is able to monitor one aboveground tank:



Installation advices



> The DL is installed outside of potentially explosive atmospheres areas.



> If the leak detector is installed outside of a closed and dry room we recommend to use a protected version or a suitable protection box.



> For the pneumatic connection lines use hose or pipe with a clearance of 6 mm at least.

Service

+ Customized type plates:

We are happy to customize individualized type plates for you or your customers. The customization includes the intake of both the client's logo as well as the client's address.



+ Professional training:

The choice, the construction and commissioning of leak detectors is not always easy due to the wide variety of liquids to be stored, containers, different types of leak detectors, and their differentiated use. There are pressure leak detectors, vacuum leak detectors, several versions for indoor and outdoor use as well as version for the use in ex-zones ... Especially for „newbies“ it is difficult to keep track of when each leak detector is required and how it must be put into operation. Our professional seminar helps here – with in-depth background information and many practical demonstrations.

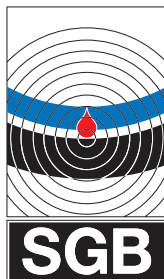
More information and booking on:
www.sgb.de/

Content excerpts:

- legal background
- technology and functioning
- monitoring of tanks and liquids
- application areas and the limitation of use
- assembly, maintenance, and testing
- presentation of essential products



Picture above: SGB's training room



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