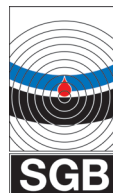


LEAK PREVENTION TECHNOLOGY

For a clean and protected environment



Pressure leak detectors for tanks

DL
DLG



NEW: DL .. 8S

Combined monitoring of
tanks and manhole
chambers

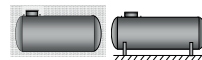


- Device variants
- Equipments
- Accessories

CONTENT

03_ About SGB's leak detectors

PRESSURE LEAK DETECTORS (DL/DLG) FOR TANKS



04_ Function and equipment options FC, M, P, Si, 8S

05_ DL .. 8S - combined monitoring of tanks and chambers **NEW**

06_ Installation schemes and hints

07_ Pressure leak detectors DL 230, DL 280, DL 325, DL 330 and DL 450

08_ Overview leak detectors DL 230–450 and articles for assembly, connection line: PA hose

10_ Overview leak detectors DL 230–450 and articles for assembly, connection line: PVC hose

12_ Pressure leak detector DL 590 and higher, articles for assembly and installation scheme

14_ Pressure leak detector DLG, articles for assembly

ACCESSORIES / REMOTE MONITORING LOD / SERVICES

16_ Installation pumps

18_ Dry filters, drying agent

22_ Remote monitoring LOD

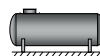
23_ Service (customized type plates, professional seminars)



Legend



suitable for under-
ground tanks



suitable for above-
ground tanks

SGB's headquarter in Siegen,
Germany



Safety in leak monitoring of double-walled tanks and pipes

Leak detectors made by SGB offer the highest safety and reliability in environmental and water protection. They monitor double-walled tanks and double-walled pipes as well as single-walled containments with a leak protecting lining or a leak protecting jacket safely and permanently for leaks – 365/24/7. Due to the functional principle of the SGB leak detector working with pressure or vacuum, no stored or transported liquid can enter the environment or the groundwater!

- SGB is certified according to DIN EN ISO 9001 (since 1999)
- SGB's leak detectors conform the high requirements of class I of the European Standard
- SGB's leak detectors are individually as well as TÜV tested



Know-how and experience since 1962

More than 400.000 SGB leak detectors globally in use guarantee safety for man and environment in tank farms, refineries, chemical plants, gas stations, drilling rigs, data centers as well as domestic heating oil tanks and many more. Over 55 years of experience with leak detection technology make SGB leak detectors a recognized brand product – at home and abroad.

Pressure leak detectors DL and DLG

DL = Druck-(=Pressure)-Leak detector with integrated pump

DLG = Druck-(=Pressure)-Leak detector with pressurized gas supply

On the following pages we present you our pressure leak detectors DL and DLG for leak monitoring on containments/tanks – with their equipment options, accessories and services like SGB's remote monitoring LOD. In addition to the listed pressure levels, we are happy to realize lower and higher pressures e.g. DL 50 or DL 3000. Just talk to us! Further information on our innovative products, services and specialist training can be found on **www.sgb.de**.

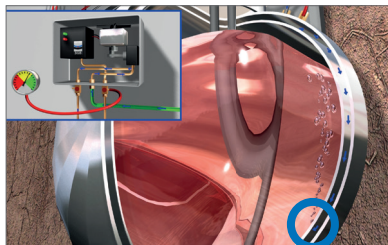
Contact

In case of any inquiries please do not hesitate to contact us. Phone us on **+49 0271 48964-0** or send an e-mail to **sgb@sgb.de**.

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.

Optional equipment

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

NEW

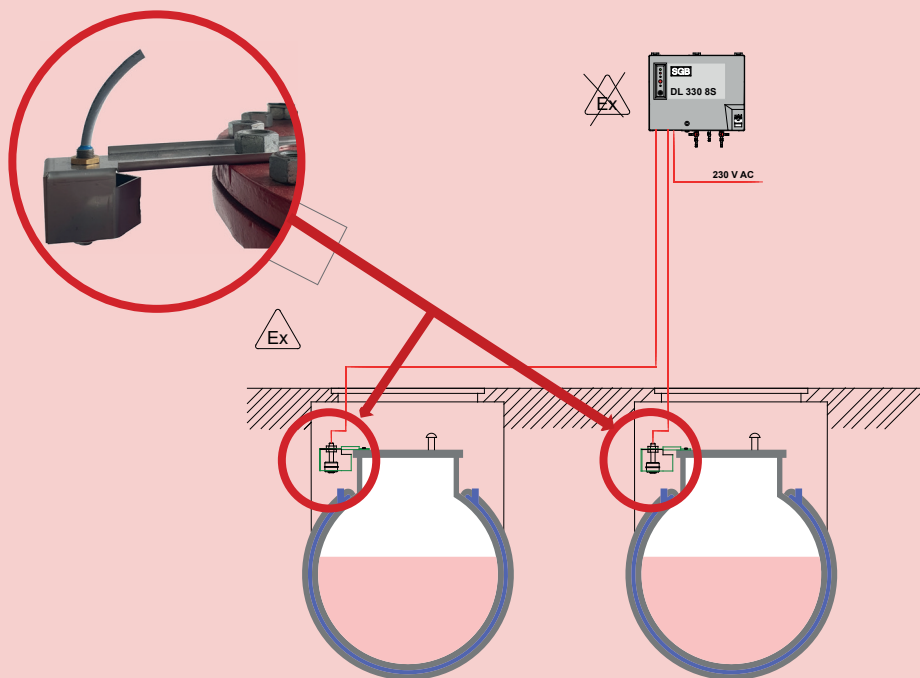
8S: The combined monitoring for leak of containments and man-hole chambers, tanks sumps, etc. via leakage sensors

Now available: **DL .. 8S** the combined leak monitoring of tanks and sumps with only 1 device

DL .. 8S (S = Leakage sensor) combines the approved leak monitoring of tanks with the simultaneous monitoring of manhole chambers, pump sumps, etc. For this purpose, up to 8 sensors can be connected to the leak detector – one to each monitored dome shaft, pump sump, manhole chamber.

- Choose between 1, 2, 3, 4 ... or up to 8 leakage sensors
- Available with ex-protected sensors for the installation in ex-zones
- for the simultaneous leak monitoring of manhole chambers, pump sumps, dome shafts, etc.

Scheme with 2 sensors:

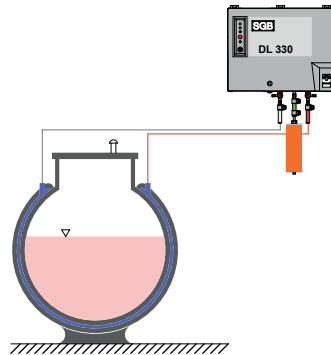


Installation scheme DL ..

One **DL 230, 280, 325, 330, or DL 450** is able to monitor several underground tanks via manifolds:



In addition the **DL 230, DL 330** as well as the **DL 450** are able to monitor one above-ground tank:



Installation advices



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

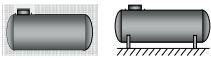


> If the leak detector is installed outside of a closed and dry room we recommend to use a protected version or a suitable protection box.



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

DL 230 / 280 / 325 / 330 / 450



Depending on the tank specifications (size, volume, diameter, pressure resistance, size of the interstitial space, ...) either the DL 230, DL 280, DL 325, DL 330, 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**
- Diameter up to 2,5 m and test pressure in the interstitial space of min. 400 mbar (e.g. acc. EN 12285-1) ➤ **DL 280**
- Diameter up to 3,0 m and test pressure in the interstitial space of min. 400 mbar (e.g. acc. EN 12285-1) ➤ **DL 325**
- Test pressure in the interstitial space of min. 500 mbar, e.g. acc. DIN 6608/2, 6616/2 ➤ **DL 330**
- Test pressure in the interstitial space of min. 600 mbar, e.g. acc. DIN 6608/2, 6616/2, 6623, 6624 ➤ **DL 450**



DL 330



Drying filter TF 200

Monitorable liquids:

Water polluting liquids e.g. petrol, gasoline, heating oil, diesel, ley, acid

Switching values DL (in mbar):

Type	Alarm pressure >	Operating pressure <	Max. pressure to bottom of tank	Min. test pressure of interstitial space
230	230	270–290	200	400
280	280	320	250	400
325	325	360	300	400
330	330	410	300	500
450	450	510	420	600

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

Leak detector DL 230



Art.-No.	Description	Euro	Qty
060023007	Leak Detector DL 230, TF180, 230VAC, pl-box, QU8/6		1 pce

Leak detector DL 280



Art.-No.	Description	Euro	Qty
060028007	Leak Detector DL 280, TF180, 230VAC, pl-box, QU8/6		1 pce
060028U07	Leak Detector DL 280 FC, TF200, 230VAC, pl-box, QU8/6		1 pce

Leak detector DL 325



Art.-No.	Description	Euro	Qty
060032-07	Leak Detector DL 325, 230VAC, pl-box, QU8/6		1 pce
060032007	Leak Detector DL 325, TF180, 230VAC, pl-box, QU8/6		1 pce
060032U07	Leak Detector DL 325 FC, TF200, 230VAC, pl-box, QU8/6		1 pce

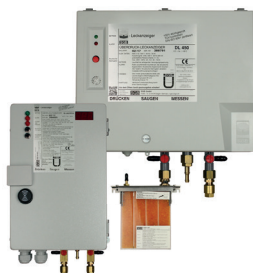
Leak detector DL 330



Art.-No.	Description	Euro	Qty
060033007	Leak Detector DL 330, TF180, 230VAC, pl-box, QU8/6		1 pce
060033U07	Leak Detector DL 330 FC, TF200, 230VAC, pl-box, QU8/6		1 pce
060033N07	Leak Detector DL 330 M, TF180, 230VAC, pl-box, QU8/6		1 pce
060033P07	Leak Detector DL 330 FCM, 230VAC, pl-box, QU8/6		1 pce
061033107	Leak Detector DL 330 P, TF200, 230VAC, st-box, QU8/6		1 pce
061033Q07	Leak Detector DL 330 PFCM, TF200, 230VAC, st-box, QU8/6		1 pce

Article report leak detector DL .. and articles for assembly with PA-hose as connection line

Leak detector DL 450



Art.-No. Description

Euro

Qty

060045-04	Leak Detector DL 450, 230VAC, pl-box, CF8/6		1 pce
060045M04	Leak Detector DL 450 M, 230VAC, pl-box, CF8/6		1 pce
061045104	Leak Detector DL 450 P, TF200, 230VAC, st-box, CF8/6		1 pce
061045N04	Leak Detector DL 450 PM, TF200, 230VAC, st-box, CF8/6		1 pce
061045Q04	Leak Detector DL 450 PFCM, TF200, 230VAC, st-box, CF8/6		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



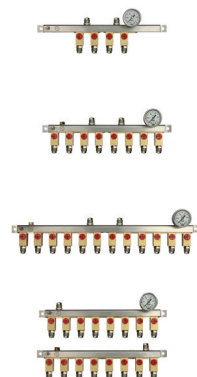
Art.-No. Description

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

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

Connection copper pipe on request

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

Leak detector DL 280



Art.-No.	Description	Euro	Qty
060028000	Leak Detector DL 280, TF180, 230VAC, pl-box, hose with 4 or 6 mm i.d.		1 pce

Leak detector DL 325



Art.-No.	Description	Euro	Qty
060032-00	Leak Detector DL 325, 230VAC, pl-box, hose with 4 or 6 mm i.d.		1 pce
060032000	Leak Detector DL 325, TF180, 230VAC, pl-box, hose with 4 or 6 mm i.d.		1 pce

Leak detector DL 330



Art.-No.	Description	Euro	Qty
060033000	Leak Detector DL 330, TF180, 230VAC, pl-box, hose with 4 or 6 mm i.d.		1 pce
103600	DL 330 complete set, TF180, inst. kit, 20m PVC-hose each color 10/6x2mm		1 pce
061033100	Leak Detector DL 330 P, TF200, 230VAC, st-box, hose with 4 or 6 mm i.d.		1 pce

Leak detector DL 450



Art.-No.	Description	Euro	Qty
060045-00	Leak Detector DL 450, 230VAC, pl-box, hose with 4 or 6 mm i.d.		1 pce
060045P00	Leak Detector DL 450 FCM, 230VAC, pl-box, hose with 4 or 6 mm i.d.		1 pce
061045-00	Leak Detector DL 450 P, 230VAC, st-box, hose with 4 or 6 mm i.d.		1 pce
061045100	Leak Detector DL 450 P, TF200, 230VAC, st-box, hose with 4 or 6 mm i.d.		1 pce

Articles for assembly with PVC-hose as connection line

PVC-hose



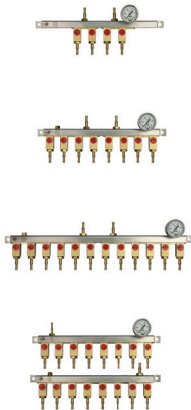
Art.-No.	Description	Euro	Qty
260111	PVC-hose, red, 10/6x2mm, 100m roll		1 roll
260115	PVC-hose, clear, 10/6x2mm, 100m roll		1 roll

Installation kits



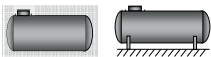
Art.-No.	Description	Euro	Qty
190404-00	Inst. kit DL..., R1/2"m - S6, for PVC-hose 10/6x2mm		1 pce
190405-00	Inst. kit DL..., R3/4"m - S6, for PVC-hose 10/6x2mm		1 pce
190406-00	Inst. kit DL..., R1"m - S4+S6, for PVC-hose with 4 or 6 mm i. d.		1 pce

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

DL 590 and higher



The pressure leak detectors with higher alarm pressures (> 590 mbar) are produced, by default, in the P-version. Thus, they are available only in the compact and weather-proof stainless steel housing. The correct alarm pressure is chosen individually for every application – depending on the tank size, volume, diameter, pressure resistance, size of the interstitial space, etc.)

Due to the variety of alarm pressures, a wide field of use can be covered. SGB dry filters are available in different sizes and are adapted to the required parameters. With this, they contribute to a low-maintenance operation of the leak detector.



DL 590 PM,
P = Protected (new housing),
M = Manometer (digital display)


Switching values DL (in mbar):

Type DL .. PM	Alarm pressure >	Operation pressure <	max. pressure on tank's bottom	mind. test pressure of interstitial space
590	590	700	560	850
750	750	850	720	1000
1000	1000	1400	970	1750
1100	1100	1450	1070	1820
1500	1500	1900	1450	2350
2000	2000	2400	1950	3000
2300	2300	2770	2250	3500
2500	2500	2900	2450	3550
3000	3000	3400	2950	4150




We are happy to advise you in the selection of the right leak detector – please feel free to contact us: **+49 271 48964-0**

Dry filters


	Art-No.	Description	Euro	Qty
	340343	Dry filter TF600, hose connection, dry filter agent, wall holder		1 pce
	340345	Dry filter TF1200, hose connection, dry filter agent, wall holder		1 pce

Installation kits

	Art-No.	Description	Euro	Qty
	190406-04	Inst. kit DL..., R1"m - CF8/6, for CU-pipe 8/6x1mm		1 pce
	190416-04	Inst. kit DL..., DLG..., R1"m - CF8/6, shut-off valve, for PA-hose 8/6x1mm		1 pce

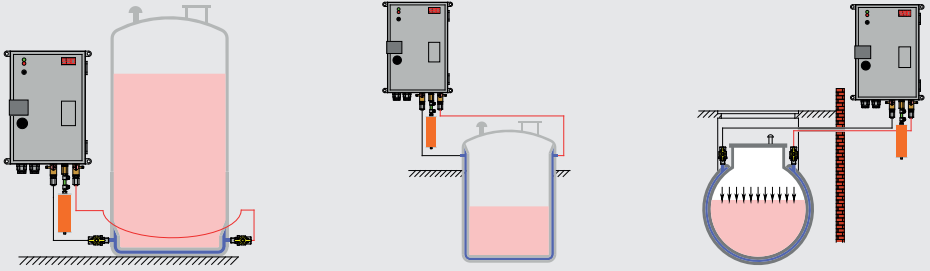
alternative installation kit with valves:

PA-hose



	Art-No.	Description	Euro	Qty
	260517	PA-hose, PN6, red, 8/6x1mm, 100m roll		1 pce
	260519	PA-hose, PN6, off-white, 8/6x1mm, 100m roll		1 pce

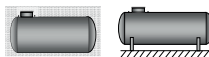
Examples of installation:

A DL .. P may be connected to several underground containers, but only to one aboveground container.



Installation advices:

-  > The DL is installed outside of potentially explosive atmosphere areas.
-  > For the pneumatic connection lines use hose or pipe with a clearance of 6 mm at least.



A pressure leak detector with pressurized gas supply (nitrogen) for leak monitoring of double-walled tanks. Due to different pressure levels, a wide range of applications can be covered.

! The monitoring with nitrogen is highly recommended in case of monitoring liquids which may react sensitively in contact with air or leak detection liquid. Also suitable for tanks with a permeable inner tank wall to store liquids with a flash point below 55 °C. A nitrogen based system like the DLG avoids the risk of permanent explosive vapours in the interstitial space.

Monitorable tanks:

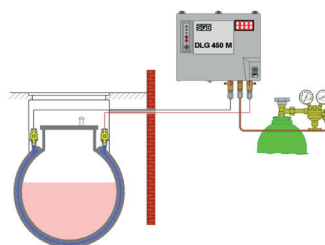
- Double-walled tanks, e.g. DIN 6608/2, 6616/2, or EN 12285. Please mind the test pressure in the interstitial space.
- Single-walled tanks with an approved leak detection lining, e.g. DIN 6608, 6618) Please mind the test pressure in the interstitial space.

Monitorable liquids:

Water polluting liquids e.g. petrol, gasoline, heating oil, diesel, ley, acid



DLG .. M (above), DLG .. PM (below)



Installation scheme



**We are happy to advise you in the selection of the right leak detector – please feel free to contact us:
+49 271 48964-0**

Articles for assembly DLG

Pressure regulator



Art-No.	Description	Euro	Qty
342510-03	Pressure regulator, 2-stage, 1 bar, inlet 200bar, deliv. 1bar, CF6/4		1 pce

Installation kits



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

alternative installation kit with valves:

190416-04	Inst. kit DL..., DLG..., R1"m - CF8/6, shut-off valve, for PA-hose 8/6x1mm		1 pce
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PA-hose



Art-No.	Description	Euro	Qty
260517	PA-hose, PN6, red, 8/6x1mm, 100m roll		1 roll
260519	PA-hose, PN6, off-white, 8/6x1mm, 100m roll		1 roll

Switching values DLG (in mbar):

Type DLG	Alarm pressure >	Operation pressure <	max. pressure on tank's bottom	mind. test pressure of interstitial space
330	330	410	560	500
450	450	510	720	600
590	590	700	970	850
750	750	850	1070	1000
1100	1100	1450	1450	1820
2300	2300	2770	1950	2950
3000	3000	3400	2250	4150

Installation accessories

Installation pumps



Art.-No. Description

Euro

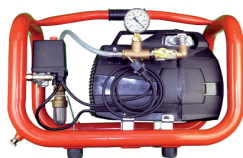
Qty

200820	Vacuum Pump VP218, 240 V, 1,5KW incl. Liquid Stop, Condensate Trap, HM		1 Stck
With extra high vacuum volume flow very useful for producing vacuum on large interstitial spaces as on large tanks, double bottoms of flat bottom tanks or with flexible linings. Not explosion protected. Weight 17 kg			

Art.-No. Description

Euro

Qty



200840	Pressure-vacuum pump ÜVP218, 240V, 1,5KW, liquid Stop, Conden. trap, valves, manometer		1 pce
Overpressure and vacuum pump with high performance. Useful accessories as valves, manometers, liquid stop valves realises comfortable operation. Not explosion protected. Max. underpressure 850 mbar, max overpressure 8 bar, weight 18 kg			

Art.-No. Description

Euro

Qty



200860	Ex-Vacuum-Pump N026 St.9E EX, 230 V Category 2 in-outside, 1m³/h, G1/4"		1 pce
Explosion-proof vacuum pump for evacuating interstitial spaces in which ex-vapours may occur			

Testing devices

Art.-No. Description

Euro

Qty



115360	Digital Measuring Device DM 12-2, -1... +2 bar, incl. case		1 pce
Field of use: The sensor is suitable for non-corrosive and non-ionizing gases and liquids (DO NOT use for water-air or hydrofob filters!).			

NEW



115381	Digital Measuring Device DM 115 Ex, expl protect., -1...+1,5 bar, incl tubing + case		1 pce
Digital overpressure/underpressure measuring device, ex-proof			

Installation accessories

Testing devices



Art.-No.	Description	Euro	Qty
115371	Pressure Measuring Device CPH 6200 incl. suitcase, without sensor		1 pce
Digital hand-held pressure indicator with measuring ranges from 0...25 bar to -1000...0 mbar. The measuring range of the connected pressure sensor will be detected automatically. Incl. adapter for leak detector.			



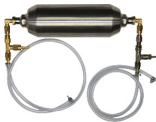
Art.-No.	Description	Euro	Qty
115373	Pressure sensor for CPH 6200 -1...0 bar, process connection 1/2"		1 pce
115375	Pressure sensor for CPH 6200 0...25 bar, process connection 1/2"		1 pce



Art.-No.	Description	Euro	Qty
115376	Manual hand pump CPP30, incl. connecting cable 0,5m, G1/4" female thread		1 pce
For test pressure generation up to max. 35 bar. Vacuum generation down to max. -950 mbar is also possible through the change-over switch. Incl. adapter for leak detector.			



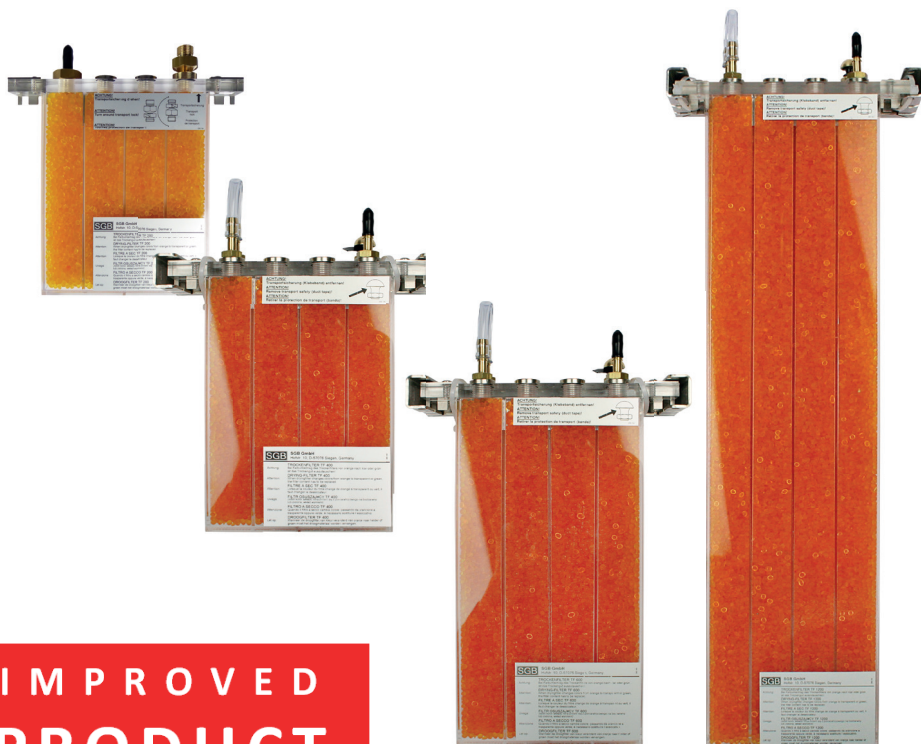
Art.-No.	Description	Euro	Qty
115392	Testing Device, max Pressure 1,0 bar Over- and Underpressure Leak Detectors		1 pce
For a simple and quick function test of leak detectors, (overpressure and vacuum) with a pressure of max. 1000 mbar. With a port to connect a gauge. With ventilation device for controlled pressure / vacuum drop. Volume 1 liter. Height 380 mm.			



Art.-No.	Description	Euro	Qty
115395	Testing Device-Press. Resist. up to 4Bar for Overpressure Leak Detector		1 pce
For a simple and quick function test of leak detectors, (overpressure and vacuum) with a pressure of max. 4 bar. With a port to connect a gauge. With ventilation device for controlled pressure / vacuum drop. Volume 0,75 liter. Height 380 mm.			

Dry filters

Effective, flexible, practical: the technically improved dry filters from SGB. The models TF 200, TF 400, TF 600 and TF 1200 in new design and with many technical improvements are now available with practical accessories.



IMPROVED
PRODUCT



Dry filters are used in conjunction with air-based pressure leak detectors to avoid humidity and resulting condensation and corrosion in the interstitial space. In order to achieve an optimal dry result, the filters and the dry material must be stored dry protected from the effects of light. The refill drying agent is supplied in permeation-proof, disposable aluminum bottles.

Advantages of SGB's dry filters

+ Increased effectiveness through improved air circulation

The rectangular shape and subdivision of the dry filters into four chambers provides an improved air flow and air-drying in the dry filter. The penetration of humid air before consumption of the filter is prevented by the longer way the air must take. The dry pearls are used optimally by this form.

+ Practical by clearer indication of the consumption

It is now even easier and clearer to see when you need to exchange the dry pearls. The dry pearls change colour from orange towards white or green. If the colour change is in the range of the first to the third chamber, no exchange of pearls is necessary. Has the colour change arrived in the fourth chamber the dry pearls must be renewed.

+ Feed hopper

With the practical new hopper filling of the dry filter is easy. Go for the one-way version of sturdy cardboard which is directly supplied of the dry pearls and easy to fold.



+ High efficiency by lower consumption

The dry filters need significantly less dry pearls. Due to the improved air circulation the dry filters are as durable as the predecessors.

+ Sturdy design for outdoor installation

The dry filters are made of UV-resistant plastic. The support bracket is made of stainless steel.

+ Wall mounting option and first filling of dry pearls included

All models include the wall mounting options or the wall brackets. Also, the first filling of dry pearls is included.


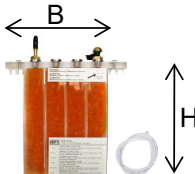
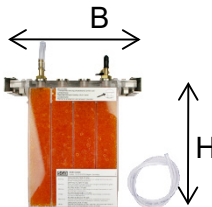
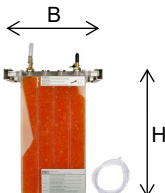
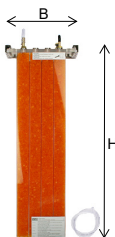
+ User-optimised dry material

Dry pearls are not always used directly. To allow longer storage times and to ensure the highest possible dryness of the material the refill dry pearls are now supplied in permatation-proof aluminum bottles.

+ Flexible and individual use by different sizes of dry filters

The dry filters are available in four sizes: TF 200, TF 400, TF 600 and TF 1200. Through standard hose connections and the unity of form all dry filters can be combined individually.

Installation accessoires

Dry filter		Art.-No.	Description	Euro	Qty
		340310	Dry Filter TF 180 incl. Drying Agent and Holder		1 pce
		Bore holes: 4.5 mm Diameter: 54 mm Height: 120 mm			
		Art.-No.	Description	Euro	Qty
		340340	Dry Filter TF 200 - Hose Connection incl. Drying Agent		1 pce
		Replaces the previous Dry Filter TF 1 Bore holes: 4.5 mm Height: 165 mm Width: 180 mm			
		340342	Dry Filter TF 400 - Hose Connection incl. Drying Agent and Holder		1 pce
		Bore holes: 6.5 mm Height: 180 mm Width: 192 mm			
		340343	Dry Filter TF 600 - Hose Connection incl. Drying Agent and Holder		1 pce
		Replaces the previous Dry Filter TF 2 Bore holes: 6.5 mm Height: 270 mm Width: 192 mm			
		340345	Dry Filter TF1200 - Hose Connection incl. Drying Agent and Holder		1 pce
		Replaces the previous Dry Filter TF 6 Bore holes: 6.5 mm Height: 520 mm Width: 192 mm			

Installation accessories

Support bracket



Art.-No.	Description	Euro	Qty
340189	Support bracket for dry filter		1 pce

Drying agent



Drying agent re-filling sets			
Art.-No.	Description	Euro	Qty
340311	Dry Agent for TF 180		1 pce
340215	Dry Agent for TF 200		1 pce
340214	Dry Agent for TF 300		1 pce
340216	Dry Agent for TF 400		1 pce
340218	Dry Agent for TF 600		1 pce
340272	Dry Agent, 1 Aluminimbottle 1250ml (930 Gramm)		1 pce
340273	Dry Agent, 1 Aluminimbottle 6250ml (4750 Gramm)		1 pce

! Transported safely – well stored :
Permeation-proof disposable aluminum bottles ensure a safe transport and a dry storage of the drying agent!



Now also with Ethernet module
 • 100 % safety
 • 0 % current costs for 5 years

Remote monitoring LOD

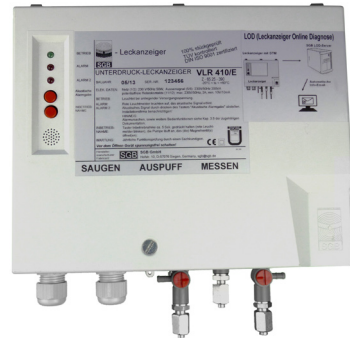
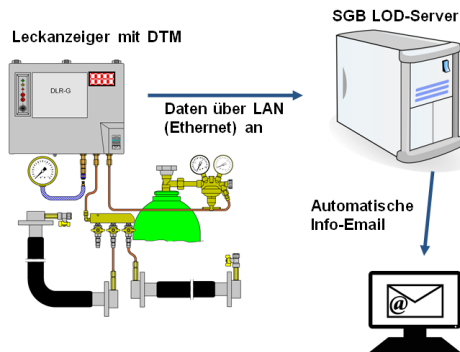
The LOD technology (= Leak detector Online Diagnostics) establishes a secure and continuous remote monitoring of leak detectors. All leak detector operating conditions and data can be collected and transmitted autonomously via ethernet connection to the LOD server and analysed every 24 hours. As a result, the correct operation of the leak detector is subject to continuous online examination.

Each alarm is immediately transmitted to the system and leads directly and automatically to a notification of predetermined addressees by e-mail (LOD with ETHERNET-module) or e-mail/ sms (LOD with GSM-module).

- !** The monitoring of all connected leak detectors becomes considerably safer because it is no longer possible to:
- detect an alarm notification with delay,
 - ignore pending alarms or to
 - manipulate the leak indicating unit.

Insbesondere gilt dies für abgelegene, selten oder schwer zugängliche Installationen, mannlose Tankstellen und Netzersatzanlagen.

Function scheme of LOD-ETH:



VLR-410/E mit LOD-ETH

PARTICULARLY SUITABLE FOR

- Remote or difficult to access installations
- Unmanned petrol stations
- Emergency power supplies

System overview:

- Daily notifications to determine the operational availability of the leak detectors
- Current system pressure
- Alarm in case of pressure loss
- Tightness of entire system consisting of leak detector and connected interstice
- Usage of drying filters for service requests
- Frequency of pump run and total count of pump service requests
- Failure of magnetic valve (only with certain vacuum leak detectors)
- Response of internal sensor (sensor/ZD)
- General faults with electronics
- Status of an additional digital sensor (if connected to DTM)
- Activation of a potential-free contact (SGB-telemetry)

+ 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.

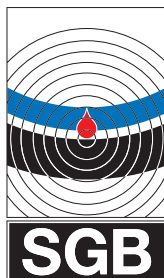
More information and booking on:
www.sqb.de/en/seminare

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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