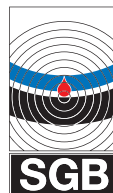


LEAK PREVENTION TECHNOLOGY

For a clean and protected environment



Leak detectors, equipment and accessories for filling stations



NEW
VLXE-SAB T./P..
The first vacuum leak
detector for monitoring
several tanks and/or pipes
at filling stations

CONTENT

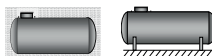
03_ About SGB's leak detectors

LEAK DETECTORS FOR TANKS

04_ DL 280, DL 325, DL 330

12_ DL 330 ELC FC

NEW 14_ VLXE-S-SAB 350: The static solution for outdoor installation



LEAK DETECTORS FOR PIPES



16_ DLR-G

18_ DLR-GS

20_ DLR-P

22_ DLR-P .. CV

COMBINED SOLUTIONS FOR MONITORING TANKS AND/OR PIPES

NEW 26_ VLXE-SAB T../P...: For monitoring several tanks/pipes

ACCESSORIES / REMOTE MONITORING LOD / SERVICE

28_ Installation pumps

29_ Testing devices

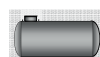
30_ Dry filters/drying agent

34_ Remote monitoring LOD

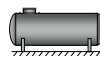
35_ Service (customized type plates, professional seminars)



Legend



suitable for under-
ground tanks



suitable for above-
ground tanks



suitable for pipes



100 % safety in leakage monitoring of double-walled tanks and pipes

SGB leak prevention systems is a byword for quality in monitoring double walled tanks and pipes with a vacuum or a pressure leak detector to realize the highest environmental protection level in accordance to class I of EN 13160. A leak prevention system consists out of a leak detector and a leak indicator and monitors tanks and pipes 100 % safely and continuously for any leak.

All SGB's leak prevention systems are

- in accordance to class I of European standard EN 13160 (which is the highest environmental protection level)
- both individually tested as well as tested by the German TÜV

Over 400,000 SGB leak detectors currently in use ensure safety worldwide – at tank farms, refineries, chemical plants, filling stations, and indigenous heating oil storage tanks. Leak detection systems by SGB are a recognized brand product since 1962.

Expertise for the use of leak detectors at filling stations

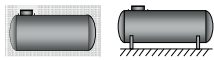
Tanks as well as pipes at filling stations are monitored safely and reliably with SGB leak detection technology. Based on overpressure or vacuum technology leak detectors by SGB are available in different versions for both pressure and suction systems.

On the following pages you will find an overview of the SGB leak detectors for the use at filling stations. For more information on products, legal requirements and applications please click on our websites **www.sgb.de**.

Contact

In case of any questions please do not hesitate to contact us:
phone **+49 271 48964-0**
e-mail **sgb@sgb.de**

DL 280 / 325 / 330



Pressure leak detectors of the DL-series monitor double-walled tanks and containments. Depending on the container specifications (seize, tank capacity volume, diameter, pressure resistance, seize of interstitial space), the DL 280, DL 325, or DL 330 is used. Here, the number stands for the alarm pressure. Pressure leak detectors DL 280 and DL 325 monitor one or with manifolds several underground tanks. DL 330 is suitable for monitoring either one or with manifolds several underground tanks or one aboveground tank.

+ Optional equipment:

- Si (Service indication): adjustable, time intervals of 1 up to 63 months
- FC (filter control): integrated drying filter sensor to avoid condensation and corrosion in the interstice
- M: digital pressure display
- FCM: combination of FC and M

For the monitoring of:

Double-walled tanks with a

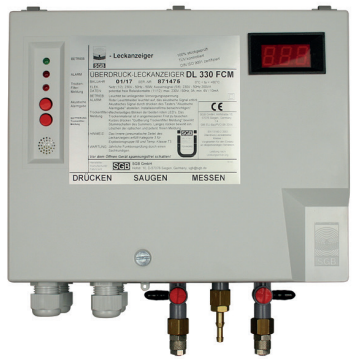
- diameter up to 2.5 m and a test pressure in the interstitial space of min. 400 mbar, EN 12285-1: DL 280
- diameter up to 3.0 m and a test pressure in the interstitial space of min. 400 mbar, EN 12285-1: DL 325
- a test pressure of the interstitial space of min. 500 mbar, e.g. tanks according to DIN 6608/2, 6616/2: DL 330

Liquids to be monitored:

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

Conformity:

EN 13160 Class I



DL 330



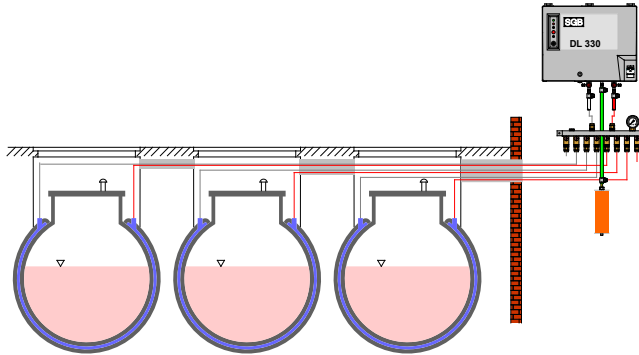
Dry filter TF 200

Switching values DL ..:

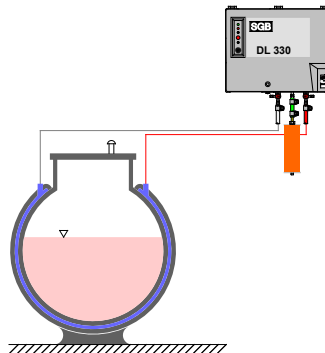
Type DL	280	325	330
Alarm pressure > (mbar)	280	325	330
Operating pressure < (mbar)	320	360	410
Max. pressure to tank bottom (mbar)	250	300	300
Min. test pressure interstice (mbar)	400	400	500

Installation scheme DL 330

A **DL 280**, **DL 325** and **DL 330** is suitable for monitoring **several underground tanks** connected with manifolds:





The **DL 330** is also able to monitor **one aboveground tank**:




Article report DL 280


Design for **Polyamid (PA)-hoses** as connection lines

Leak detector	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
	104852	Additional price for Service Indication Version "Si" (1-63 months)		1 pce

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

Installation kit	Art.-No.	Description	Euro	Menge
	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 the connection of several underground tanks

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

Article report DL 280

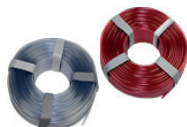
Design for PVC-hoses as connection lines

Leak detector



Art.-No.	Description	Euro	Qty
060028000	Leak Detector DL 280, 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, 100 m roll		1 roll
260115	PVC-hose, clear, 10/6x2mm, 100 m roll		1 roll

Installation kit



Art.-No.	Description	Euro	Qty
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

Manifolds for the connection of several underground tanks



Art.-No.	Description	Euro	Qty
196021-00	Manifold for 2 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196031-00	Manifold for 3 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196041-00	Manifold for 4 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196051-00	Manifold for 5 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196061-00	Manifold for 6 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196071-00	Manifold for 7 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196081-00	Manifold for 8 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce

Article report DL 325

Design for Polyamid (PA)-hoses as connection lines

Leak detector



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
104852	Additional price for Service Indication Version "Si" (1-63 months)		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

Tank adapters



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

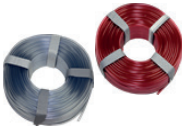
Manifolds for the connection of several underground tanks



Art.-Nr.	Bezeichnung	Euro	Qty
196021-07	Manifold for 2 tanks, gauge 1 bar, QU8/6		1 pce
196031-07	Manifold for 3 tanks, gauge 1 bar, QU8/6		1 pce
196041-07	Manifold for 4 tanks, gauge 1 bar, QU8/6		1 pce
196051-07	Manifold for 5 tanks, gauge 1 bar, QU8/6		1 pce
196061-07	Manifold for 6 tanks, gauge 1 bar, QU8/6		1 pce
196071-07	Manifold for 7 tanks, gauge 1 bar, QU8/6		1 pce
196081-07	Manifold for 8 tanks, gauge 1 bar, QU8/6		1 pce

Leak detector


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
104852	Additional price for Service Indication Version „Si“ (1-63 months)		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

Tank adaptor



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


Manifolds for the connection of several underground tanks



Art.-No.	Description	Euro	Qty
196021-00	Manifold for 2 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196031-00	Manifold for 3 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196041-00	Manifold for 4 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196051-00	Manifold for 5 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196061-00	Manifold for 6 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196071-00	Manifold for 7 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196081-00	Manifold for 8 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce

Article report DL 330


Design for **Polyamid (PA)-hoses** as connection lines

Leak detector	Art.-No.	Description	Euro	Qty
	060033007	Leak Detector DL 330, TF180, 230VAC, pl-box, QU8/6		1 pce
	060033U07	Leak Detector DL 330 FC, TF 200, 230 V, pl. hous., 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

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

Tank adaptor	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 the connection of several underground tanks

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

Article report DL 330

Design for **PVC-hoses** as connection lines

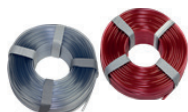
Leak detector



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 f. Underground Tanks + TF180,Inst-Kit,20m PVC Hose/Color 10/6		1 pce
104852	Additional price for Service Indication Version "Si" (1-63 months)		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 kit for DL ...



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

Manifolds for the connection of several underground tanks



Art.-No.	Description	Euro	Qty
196021-00	Manifold for 2 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196031-00	Manifold for 3 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196041-00	Manifold for 4 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196051-00	Manifold for 5 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196061-00	Manifold for 6 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196071-00	Manifold for 7 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce
196081-00	Manifold for 8 tanks, gauge 1 bar, for hose with 4 or 6 mm i. d.		1 pce

DL 330 ELC FC



Pressure leak detector with integrated dry filter control for the monitoring up to 6 double-walled tanks.

The Leak detector:

The leak detector DL .. ELC FC is the optimal alternative if high integration and low use of space is required. The monitoring system for tanks and pipes may be integrated into one system. The working unit can be installed outside without additional requirements. The indication unit offers the optical and audible alarm including a dry relay contact for alarm transmitting.

Dry filter control FC:

A sensor is integrated in the suction line of the pump between pump and dry filter to measure the moisture of the air intake. The sensor registers the increase in relative humidity when the desiccant is spent. The optical and audible alarm is triggered together with the potential-free message when the drying capacity is insufficient. The visual indication consists of alternate flashing of the two red alarm LED.

For the monitoring of:

double-walled cylindrical underground tanks with a test pressure of the interstitial space of minimum 500 mbar (e.g. in accordance with DIN 6608/2)

Liquids to be monitored:

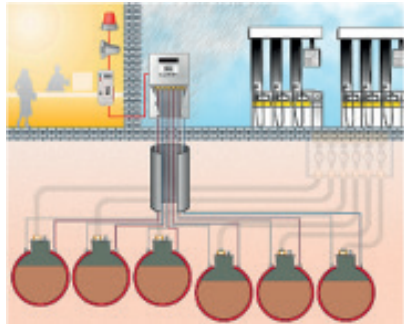
Water polluting liquids e.g. petrol, diesel, heating oil, lye, acid

Conformity:

EN 13160 Class I



DL 330 ELC FC:
Indicating unit LAE and leak detector



Installation scheme DL 330 ELC FC:

Type	Alarm pressure	Operating pressure	Max. pressure on tank bottom
DL 330 ELC FC	> 330 mbar	< 410 mbar	300 mbar

Article report DL 330 ELC FC

Leak detector



Art.-No.	Description	Euro	Qty
063633T07	Leak Detector DL 330 ELC FC, TF 600, 6 tanks, 230 V, st. hous., QU8/6		1 pce
063633P07	Leak Detector DL 330 ELC FCM, TF 600, 6 tanks, 230 V, st. hous., QU8/6		1 pce

Leak indicating unit



Art.-No.	Description	Euro	Qty
117500	Leak Indicating Unit LAE 100-240VAC/24VDC, IP30, 3xIN, 3xOut		1 pce

PA-hose



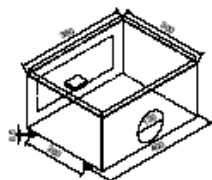
Art.-No.	Description	Euro	Qty
260517	PA-hose, PN 6, red, 8/6x1mm, 100m roll		1 roll
260519	PA-hose, PN 6, off-white, 8/6x1mm, 100m roll		1 roll

Installation kit for DL ...



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

Connection box



Art.-No.	Description	Euro	Qty
055200	Connection Box DL... ELC for covering Pneumatical Connections		1 pce

NEW

VLXE-S-SAB 350 (..)



Static operating leak detector on a vacuum principle for monitoring up to 8 double-walled tanks. Especially made for outdoor installation.

The leak detector:

The full electronic VLXE-S-SAB 350 is the new solution when a permanent and safe leak monitoring of up to 8 underground double-walled tanks with a suction line to the deepest point of the interstitial space is needed. Due to the wheater-proof SAB version (that is stand alone box), the leak detector can be installed outdoor without any further protective measures.

The VLX-S-SAB 350 standard includes:

- Central display outside (power, alarm, acknowledgement key),
- Internal displays per interstitial space with additional digital pressure display,
- An acoustic signal,
- Potential free contacts for alarm forwarding (available separately or collective).

The connections are designed for polyamide pipes of dimension 8/6 x 1 mm.

For the monitoring of:

Unpressurized underground tanks with a diameter of ≤ 3.0 m and a sufficient underpressure resistance. Additionally, tanks must have a suction line to the deepest point of the interstitial space. With this the functionally necessary fluid freedom of the interstitial space can be established.

Liquids to be monitored:

Liquids hazardous to water, for which the stainless steel design of the leak detector is sufficiently resistant.

Occurring vapor-air-mixtures must be heavier than air as well as classifiable in gas group IIA or IIB3 and temperature code T1 to T3, like gasoline.

Conformity:

EN 13160 Klasse I



NEW

- for outdoor installation
- monitors several tanks
- also available with remote monitoring LOD

VLXE-S-SAB 350 (..)
Vacuum leak detector
in wheaterproof
SAB version

Type	Alarm pressure	Operating pressure	Vacuum operability interstice
350	350 mbar	≤ 700 mbar	≥ 300 mbar

Article report VLXE-S-SAB 350

Leak detector



Art.-No. Description

Euro

Qty

036350-08 1	Leak Detector VLXE-S-SAB 350 (1), 100-240VAC, st-box, QU8/6		1 pce
036350-08 2	Leak Detector VLXE-S-SAB 350 (2), 100-240VAC, st-box, QU8/6		1 pce
036350-08 3	Leak Detector VLXE-S-SAB 350 (3), 100-240VAC, st-box, QU8/6		1 pce
036350-08 4	Leak Detector VLXE-S-SAB 350 (4), 100-240VAC, st-box, QU8/6		1 pce
036350-08 5	Leak Detector VLXE-S-SAB 350 (5), 100-240VAC, st-box, QU8/6		1 pce
036350-08 6	Leak Detector VLXE-S-SAB 350 (6), 100-240VAC, st-box, QU8/6		1 pce
036350-08 7	Leak Detector VLXE-S-SAB 350 (7), 100-240VAC, st-box, QU8/6		1 pce
036350-08 8	Leak Detector VLXE-S-SAB 350 (8), 100-240VAC, st-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

Flash light



Art.-No. Description

Euro

Qty

	Flash light kit 24 V direct current		1 pce
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Alarm transmission (GSM)

Art.-No. Description

Euro

Qty

117410	SMS module for „alarm“ and „power supply failure“, without SIM card		1 pce
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Pressure leak detector operating with inert gas for the monitoring of double-walled pipes.

The leak detector:

The leak detector operates with inert gas (nitrogen) as leak detection media in the interstitial space. Especially designed for the monitoring of liquids which react sensitive when in contact with air (e.g. cosmetics, food) and liquids which are highly explosive. Also for pipes with a permeable inner wall and liquids which have a flash point below 60 °C (for Germany 55 °C acc. TRGS 509 and 751). A nitrogen based system like the DLR-G avoids the risk of permanent explosive vapours in the interstice.



Now with technically revised standard

DLR-G

! The new technical standard

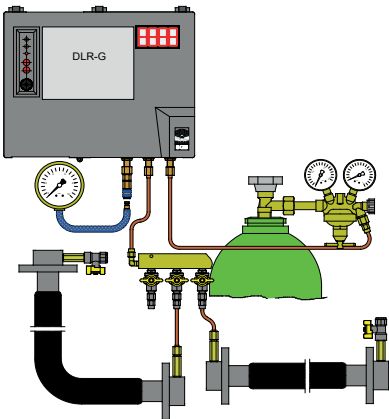
- Potential-free relay contact for the alarm notification as a contact-type contact
- Flexible voltage supply by switching power supply from 100 to 240 V AC, 50/60 Hz.
At the same time a 24 V DC supply can be implemented in the same device.

Operating modes:

- C (= Continuous): For above- and underground double-walled pipes/armatures
- I (= Intervall): Only for double-walled pipes/ fittings placed underground or in the building

+ Optional equipment:

- Si (Service indication): adjustable, time intervals of 1 up to 63 months



Installation scheme DLR-G

Conformity:

EN 13160 Class I

DLR-G ... Type/Alarm pressure	1	2	3	4	5	6	7	8	9	10	11
Operating pressure inner pipe	unpres- surized	< 1	< 2	< 3	< 4	< 5	< 6	< 7	< 8	< 9	< 10
Back feed OFF	< 2	< 3	< 4	< 5	< 6	< 7	< 8	< 9	< 10	< 12	< 13
Test pressure of the interstice	> 3,4	> 4,5	> 5,6	> 6,7	> 7,8	> 8,9	> 10,0	> 11,1	> 12,2	> 15,5	> 16,5

Pressure values in bar; switch values from 14 to 20 bar on request

Leak detector



Art.-No. Description

Euro

Qty

073030M04	Leak Detector DLR-G 3 M, 100-240VAC, pl-box, CF8/6		1 pce
074030M04	Leak Detector DLR-G 3 PM, 100-240VAC, ss-box, CF 8/6		
available in pressure steps from 1 bar to 20 bar (at same price)			
104852	Additional price for Service Indication Version "Si" (1-63 months)		1 pce

Pressure regulator



Art.-No. Description

Euro

Qty

342516-03	Pressure Regulator, 2-stage, 10bar,CF6/4 Inlet 200bar, Deliv. 10bar, W24,32x1/14"		1 pce
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Flex-hose



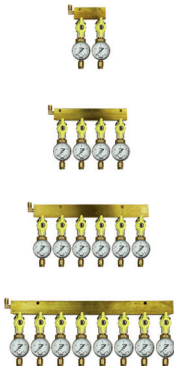
Art.-No. Description

Euro

Qty

260721	Flex-hose 1.4404, PN 80, both sides 80mm pipe connection with 6mm diameter		1 pce
Connection pipe between pressure regulator and leak detector. Flexible, metallic and pressure resistant.			

Manifolds



Art.-No. Description

Euro

Qty

196230	Manifold for 2 double walled pipes, shut-off valve, gauge 4 bar, CF6/4		1 pce
196330	Manifold for 3 double walled pipes, shut-off valve, gauge 4 bar, CF6/4		1 pce
196430	Manifold for 4 double walled pipes, shut-off valve, gauge 4 bar, CF6/4		1 pce
196530	Manifold for 5 double walled pipes, shut-off valve, gauge 4 bar, CF6/4		1 pce
196630	Manifold for 6 double walled pipes, shut-off valve, gauge 4 bar, CF6/4		1 pce
196730	Manifold for 7 double walled pipes, shut-off valve, gauge 4 bar, CF6/4		1 pce
196830	Manifold for 8 double walled pipes, shut-off valve, gauge 4 bar, CF6/4		1 pce

Installation kit for pipes



Art.-No. Description

Euro

Qty

190721	Inst.-Kit pipes, R1/4"m - CF6/4, for CU-pipe 6/4x1mm		1 pce
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A static operating pressure leak detector for monitoring a manually built up overpressure in the interstice. Now with N function as standard. This means that the leak detector indicates by means of a diode that the pressure in the interstice has decreased and that it must be build up again. Pre-alarm function as optional version.

! The new technical standard

- Potential-free relay contact for the alarm notification as a contact-type contact
- Flexible voltage supply by switching power supply from 100 to 240 V AC, 50/60 Hz. At the same time a 24 V DC supply can be implemented in the same device.
- Additionally: further potential-free relay contact, which, e.g., relays the message „refilling required“ before an alarm is triggered.

+ Optional equipment:

- M: digital pressure display
- Si (Service indication): adjustable, time intervals of 1 up to 63 months

For the monitoring of:

- suitable double-walled pipes or armatures
- for up to 15 bar operating pressure in inner pipe

Liquids to be monitored:

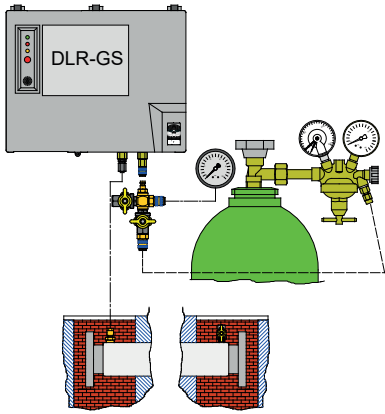
Water polluting liquids. On pipes to convey liquids with a flash point below 60 °C (for Germany 55 °C acc. to TRGS 509 and 751) only with nitrogen as leak detection media in the interstice e.g. petrol, jet, methanol, diesel, chemicals, lye, acids.

Conformity:

EN 13160 Class I



DLR-GS



Installation scheme DLR-GS with leak detector, testing device and installation kit for pipes

Pressure values in bar; special switch values on request

DLR-GS Type/Alarm pressure	1	2	3	4	6	8	10	13	16
Operating pressure inner pipe	unpres- surized	< 1	< 2	< 3	< 5	< 7	< 9	< 12	< 15
Back feed OFF	5	6	7	8	10	12	14	17	20
Test pressure of the interstice	> 6,5	> 8,0	> 9,0	> 10	> 13	> 16	> 18	> 22	> 26

Article report DLR-GS

Leak detector



Art.-No. Description

Euro

Qty

070040-04	Leak Detector DLR-GS 4 N, 100-240VAC, pl-box, CF8/6		1 pce
070040M09	Leak Detector DLR-GS 4 MN, 100-240VAC, pl-box, FU6/4		1 pce
070610M04	Leak Detector DLR-GS 1 PMN, 100-240VAC, pl-box, CF8/6		1 pce
104852	Additional price for Service Indication Version "Si" (1-63 months)		1 pce

Testing device DLR-GS



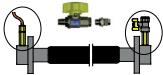
Art.-No. Description

Euro

Qty

115520	Testing Device DLR-GS		1 pce
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Installation kit for pipes



Art.-No. Description

Euro

Qty

190721	Inst.-Kit pipes, R1/4"m - CF6/4, for CU-pipe 6/4x1mm		1 pce
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Manifolds



Art.-No. Description

Euro

Qty

196280	Manifold f. Overpressure 2-HM25-K MS 6x1 suitable for double walled piping		1 pce
196380	Manifold f. Overpressure 3-HM25-S ST 6x1 suitable for double walled piping		1 pce
196480	Manifold f. Overpressure 4-HM25-S ST 6x1 suitable for double walled piping		1 pce
196580	Manifold f. Overpressure 5-HM25-S ST 6x1 suitable for double walled piping		1 pce
196680	Manifold f. Overpressure 6-HM25-S ST 6x1 suitable for double walled piping		1 pce
196780	Manifold f. Overpressure 7-HM25-S ST 6x1 suitable for double walled piping		1 pce
196880	Manifold f. Overpressure 8-HM25-S ST 6x1 suitable for double walled piping		1 pce



Pressure leak detector based on air for the monitoring of double-walled pipes. Available for several pressure levels.

The leak detector:

An integrated overpressure pump realizes 100 % continuous pressure monitoring with little maintenance as small pressure losses are compensated automatically.

Ideally for pressureless pipes on petrol stations like fill pipes, suction pipes and vapour recover pipes. Also ideally for the reorganization of pipes with static leak detectors which have frequent alarm conditions because of minor untightnesses. In particular pipes with permeation-resistant inner walls such as DRK 30 and DRK 32 as well as the MONO.S.DWR (Löw Tanktechnik) can profit. Monitoring using air is cheaper than using nitrogen.

+ Optional equipment:

- P: weatherproof housing
- M: digital pressure display
- FC (filter control): dry filter control to guarantee the maintenance of the dry filter in time in order to avoid corrosion by condensation in the interstice
- Si (Service indication): adjustable, time intervals of 1 up to 63 months

For the monitoring of:

suitable double-walled pipes, armatures, double-walled remote filling lines

Liquids to be monitored:

Water polluting liquids

! On pipes with a non permeable inner wall also liquids with a flash point below 60°C (for Germany 55 °C acc. to TRGS 509 and 751) e.g. heating oil, diesel, engine oil, petrol, jet, methanol, lye, acid.

Conformity:

EN 13160 Class I



DLR-P 1.1 with pulsation damper

DLR-P ... Type/Alarm- pressure	1.1	2.0 *	4.5 **
Operating pressure	unpres- surized	< 1,0	< 3,5
Test pressure of interstice	> 2,0	> 3,0	> 5,5

Pressure values in bar; further pressure levels on request

* DLR-P 2.0: The german inspection authority TÜV demands a minimum alarm pressure of 2 bar when monitoring fill pipes.

** DLR-P 4.5: for pipe monitoring of pressure supplied diesel satellite columns

Leak detector



Art.-No.	Description	Euro	Qty
078011-07	Leak Detector DLR-P 1.1, 100-240VAC, pl-box, QU8/6		1 pce
078111-07	Leak Detector DLR-P 1.1, pul-d, 100-240VAC, pl-box, QU8/6		1 pce

Dry filter



Art.-No.	Description	Euro	Qty
340343	Dry Filter TF 600 - Hose Connection incl. Drying Agent and Holder		1 pce
340345	Dry Filter TF1200 - Hose Connection incl. Drying Agent and Holder		1 pce

PA-hose



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

Pipe connection



Art.-No.	Description	Euro	Qty
190792-07	Pipe Connection, 1/4"-QV 8/6, MS Brass, 1/4" Male, 8/6 mm Quick Union		1 pce

Manifolds



Art.-No.	Description	Euro	Qty
196141-07	Manifold for Pipes, 4 Outlets Brass, Gauge 2.5 bar, Quick Union 8/6 mm		1 pce
196161-07	Manifold for Pipes, 6 Outlets Brass, Gauge 2.5 bar, Quick Union 8/6 mm		1 pce
196181-07	Manifold for Pipes, 8 Outlets Brass, Gauge 2.5 bar, Quick Union 8/6 mm		1 pce
196237	Manifold for 2 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
196337	Manifold for 3 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
196437	Manifold for 4 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
196537	Manifold for 5 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
196637	Manifold for 6 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
196737	Manifold for 7 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
196837	Manifold for 8 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce



Pressure leak detector based on air in various pressure levels especially adapted to the needs of double-walled plastic pipes.

The leak detector:

The pipe's interstitial space is filled with air. It is continuously and permanent monitored by the DLR-P .. CV. Because of its different pressure levels the leak detector can be used for a broad variety of operational areas. The test pressure of the interstice must be minimum 5 bar.

The DLR-P...CV is equipped with a non-return valve in the connecting line which prevents the backflow of gases in the direction of the leak detector (zone reduction). Thus the leak detector can be used for pipes having a low permeation.

For pipes which transport potentially explosivesive liquids the monitoring with air is more competitive than using nitrogen.

The functional test can bei done quickly and easily with SGB's testing device.

+ Optional equipment:

- P: weatherproof housing
- M: digital pressure display
- FC (filter control): dry filter control to guarantee the maintenance of the dry filter in time in order to avoid corrosion by condensation in the interstice
- Si (Service indication): adjustable, time intervals of 1 up to 63 months

For the monitoring of:

suitable double-walled pipes

Liquids to be monitored:

Water polluting liquids e.g. petrol, diesel, heating oil, acid, lye etc.

Conformity:

EN 13160 Class I

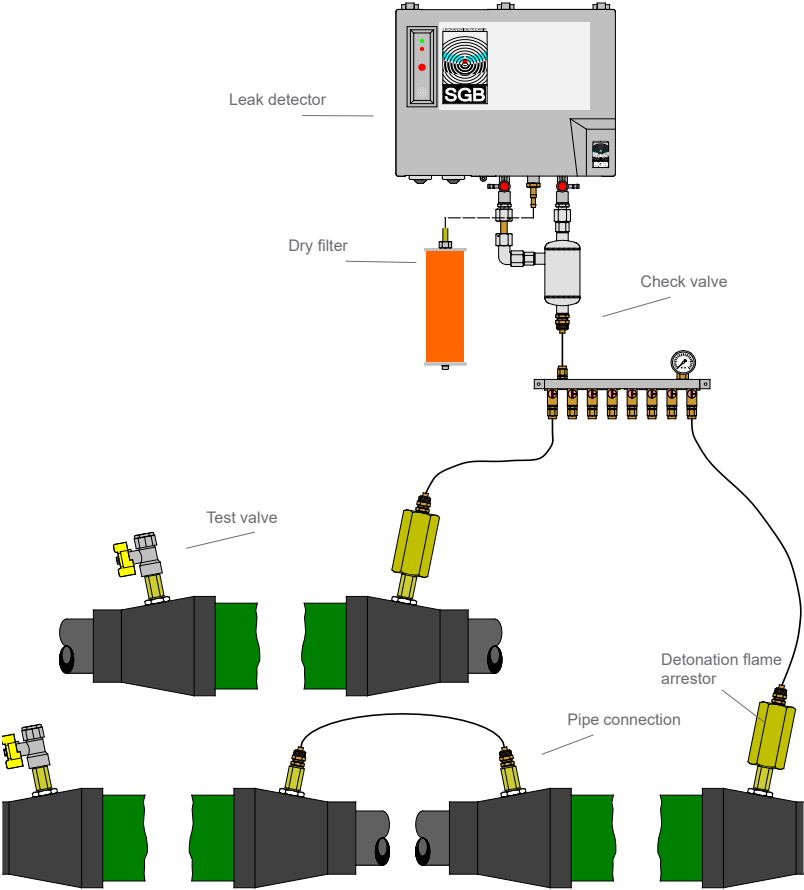


DLR-P 2.0 CV with pulsation damper


DLR-P ... CV Type/Alarm pressure	1.1	2.0
Operating pressure	unpres- surized	< 1,0
Back feed OFF	< 1,4	< 2,4
Test pressure of interstice	> 2,0	> 5,0


Pressure values in bar;
further pressure levels on request


Overview: DLR-P ... CV with equipment

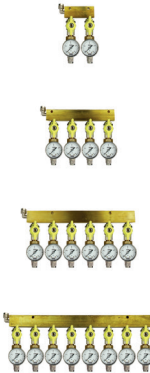


Article report DLR-P ... CV

Leak detector	Art.-No.	Description	Euro	Qty
	078420-07	Leak Detector DLR-P 2.0 CV, pul-d, 100-240VAC, pl-box, QU8/6		1 pce
	Pressure leak detector DLR-P 2.0 CV with a check valve in the connection line towards the interstitial space. The check valve avoids that gas may flow towards the leak detector. This avoids that explosive vapors may enter the leak detector. Therefore the function test of the leak detector only can be executed by ventilation with a test valve at a pipe end or with the SGB testing device. The interstitial space shall be rated for 5 bar overpressure.			
	Alternatively, in case 1.1 bar alarm pressure is sufficient:			
	078411-07	Leak Detector DLR-P 1.1 CV, pul-d, 100-240VAC, pl-box, QU8/6		1 pce

Dry filter	Art.-No.	Description	Euro	Qty
	340343	Dry Filter TF 600 - Hose Connection incl. Drying Agent and Holder		1 pce
	340345	Dry Filter TF 1200 - Hose Connection incl. Drying Agent and Holder		1 pce
	A dry filter with suitable capacity must be choosen.			

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

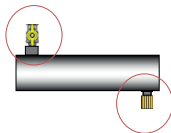
Manifolds	Art.-No.	Description	Euro	Qty
	196237	Manifold for 2 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
	196337	Manifold for 3 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
	196437	Manifold for 4 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
	196537	Manifold for 5 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
	196637	Manifold for 6 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
	196737	Manifold for 7 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce
	196837	Manifold for 8 double walled pipes, shut-off valve, gauge 4 bar, QU8/6		1 pce

Test valve

Art.-No. Description

Euro

Qty



190702	Test valve for KPS-Pipe Con.,KV6 o. 1/4" with Cock PN10 and Plug		1 pce
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Detonation flame arrester

Art.-No. Description

Euro

Qty



193435-07	Deton. Flame Arrester F502, 1/4"-QU8/6 Brass, 1/4" Male, 8/6 mm Quick Union		1 pce
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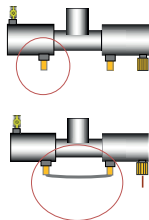
The detonation flame arrester must be tested for overpressures. The detonation flame arrester type F502 is suitable for pressures up to 3 bars.

Pipe connection KPS

Art.-No. Description

Euro

Qty



190795-07	Pipe Connection, KPS - QV8/6 KV6 or 1/4" - 8/6 mm Quick Union,Brass		1 pce
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Testing device

Art.-No. Description

Euro

Qty



115395	Testing Device-Press. Resist. up to 4Bar for Overpressure Leak Detector		1 pce
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VLXE-SAB T.. / P..



Vacuum lead detector for monitoring up to 12 tanks/containments and/or pipes. Especially made for outdoor installation. Remote monitorable due to full electronic data transmission.

The leak detector:

The VLXE-SAB T.. / P.. monitors up to 12 underground double-walled tanks and/or pipes on petrol stations. Due to its wheaterproof version SAB (Stand-Alone-Box), an easy and more practicable outdoor installation is possible.

The standard includes:

- a central display outside (power, alarm, acknowledgement key),
- internal displays per interstitial space with additional digital pressure display,
- an acoustic signal,
- potential free contacts for alarm forwarding (available separately, collective, or combined).

The connections are designed for polyamide and copper pipes of dimension 8/6 x 1 mm (compression).

For monitoring of:

> Unpressurized tanks.

T34: Only for tanks with a suction line to the deepest point of the interstitial space

T330: Tanks with a diameter of ≤ 3.0 meters and a sufficient underpressure resistance

> Unpressurized, metallic, and non-metallic pipes.

P410: For filling lines and vapor recovery lines

P500: For suction-, filling-, vapor recovery lines

Monitorable liquids:

Liquids hazardous to water, for which the stainless steel design of the leak detector is sufficiently resistant. Occurring vapor-air-mixtures must be heavier than air as well as classifiable in gas group IIA or IIB and temperature code T1 to T3, like gasoline, diesel, AdBlue for example.

Conformity:

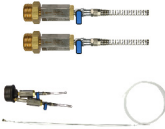
EN 13160 class I




NEW for monitoring up to 12 tanks and/or pipes


VLXE-SAB T.. / P.. in the wheaterproof SAB version
T = tank, P = pipe


Type	Alarm underpressure in mbar	Operating underpressure in mbar	Vacuum operability interstice
T34	> 34	≤ 90	≥ 300 mbar
T330	> 330	≤ 450	≥ 600 mbar
P410	> 410	≤ 540	$\geq 2,0$ bar
P500	> 500	≤ 630	$\geq 5,0$ bar

Connections interstice tank	Art.-No.	Description	Euro	Qty
	191216-07	InstKit Tank for VIMS, R1"male-QV8/6 with Det.Fl.Arrestor - Pump Unit (for tanks with 2 1" nozzles)		1 pce
	191232-07	InstKit Tank for jacketed tanks, R2"male, 2xQU8/6, 2x Det.Fl.Arrestor (for tanks with interstitial access pipe)		1 pce

Connections interstice pipe	Art.-Nr.	Description	Euro	Qty
	191270-07	InstKit Pipe for VIMS, Schrader-QV8/6 Test Valve,w.Det.Fl.Arrestor - Pump Unit		1 pce
	103970	Bridge between two Interstices (with Schrader valves)		1 pce
	103972	Bridge with elbow between 2 Interstices (for Shrader valves)		1 pce


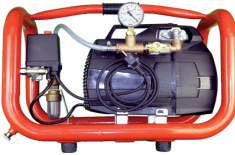

Detonation flame arrester	Art.-No.	Description	Euro	Qty
	193245-07	Detonation Flame ArresterF501,3/8"-QV8/6 w. Holder,Brass, Quick Union 8/6 mm		1 Stck
Neccessary for the end of exhaust line (installation above liquid tight surface, tank sump, pump sump, where vapours or small amounts of liquid are to be expected)				



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

Flash light	Art.-No.	Description	Euro	Qty
		Flash light 24 V DC		1 pce

Alarm transmission (ETH)	Art.-No.	Description	Euro	Qty
	117700	LOD: DTM Data transfer module (Ethernet) incl. installation into leak detector (for each of the 12 monitoring systems 1 ethernet board is required)		1 pce

Installation accessories

Installation pumps	Art.-No.	Description	Euro	Qty
	200820	Vacuum Pump VP218, 240 V, 1,5KW incl. Liquid Stop, Condensate Trap, HM		1 pce
	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			
	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 realise comfortable operation. Not explosion protected. Max. underpressure 850 mbar, max overpressure 8 bar, weight 18 kg			
	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 explosive vapours may occur			

Testing devices	Art.-No.	Description	Euro	Qty
	115360	Digital measuring device DM 12-2 -1... +2 bar, incl. case		1 pce
	115381	Digital measuring device DM 115 Ex, expl protect., -1.. +1,5 bar, incl. tubing +case		1 pce

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.			



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



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.			

Testing devices

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.			



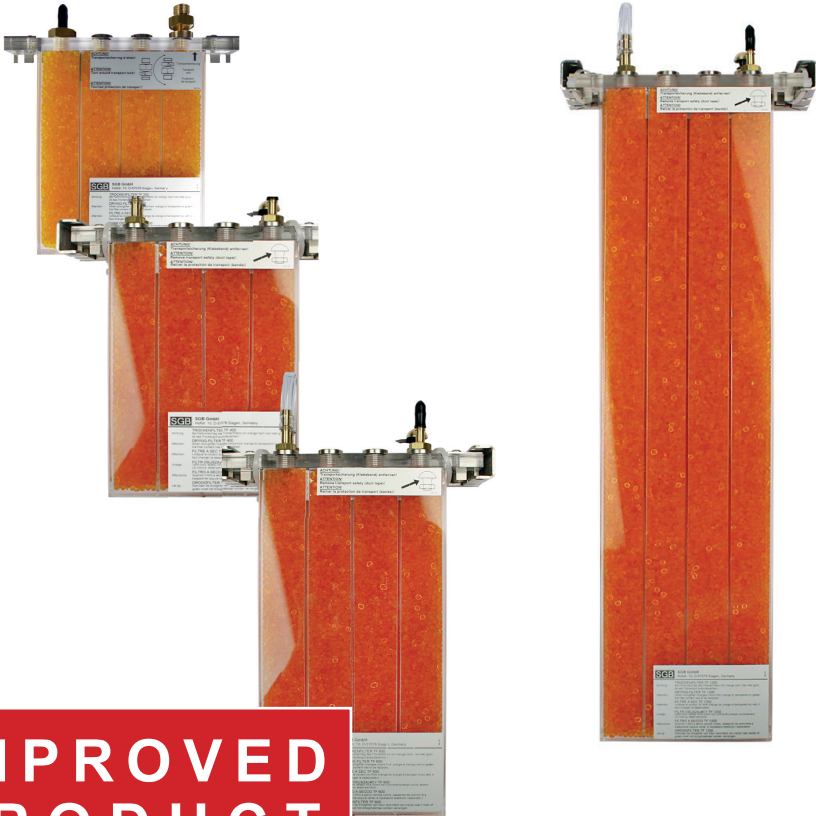
115395	Testing Device-Press. Resist. up to 4 Bar for Overpressure Leak Detector		1 pce
for a simple and quick function test of leak detectors, (overpressure and vacuum) with a pressure of max. 4 bar. With a port to connect a gauge. With ventilation device for controlled pressure / vacuum drop. Volume 0,75 liter. Height 380 mm.			



115520	Testing Device DLR-GS		1 pce
for the function test and start up of the leak detectors DLR-GS or DLR-2. Plugs to connect a pressure supply (e.g. pressure cylinder) and a pressure gauge. Steel and brass			

Dry filters

More effective, more flexible, better in practise: SGB's new dry filter models TF 200, TF 300, TF 400, TF 600 and TF 1200 have a new rectangular design and several technical improvements.



**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.

+ More 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.

+ New 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.

+ Higher 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.


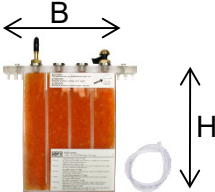
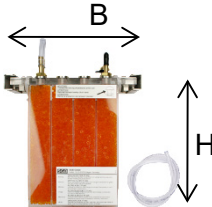
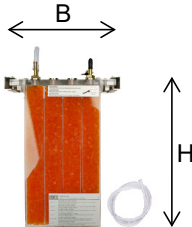
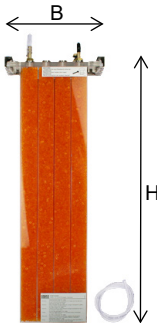
+ User-optimised dry material

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		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

Wandhalterung



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

Drying Agent



Art.-No.	Description	Euro	Qty
Drying Agent re-filling sets			
340311	Drying Agent for one Filter Filling TF 180		1 pce
340215	Drying Agent for one Filter Filling TF 200		1 pce
340214	Drying Agent for one Filter Filling TF 300		1 pce
340216	Drying Agent for one Filter Filling TF 400		1 pce
also suitable for dry filter TF 1			
340218	Drying Agent for one Filter Filling TF 600		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.

Operation mode:

The notice of alarm mode activation is immediately transmitted to the LOD system and an automatic notification is given to registered addressees via e-mail. The LOD system will register multiple alarm notifications and issue repeated alerts until the cause of alarm is answered locally.

There will be no more false identification of alarms, unreported alarms, and local manipulation of the annunciator! The reliability of the alarm retransmission and the audited reaction are guaranteed to a previously unknown level.

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 interstitial space
- 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 or ZD)
- General faults with electronics

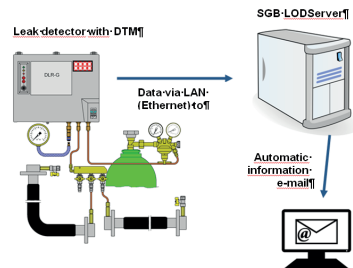


VLR-410 E with remote monitoring LOD

PARTICULARLY SUITABLE FOR

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

- Status of an additional digital sensor (if connected to DTM)
- Activation of a potential-free contact (SGB-telemetrie)



+ Individualized 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 seminars

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 overpressure leak detectors, underpressure 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 form on
www.sgb.de/en/seminars

The theoretical part deals with:

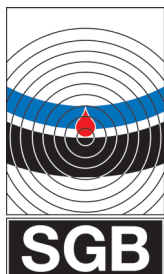
- legal background
- technology and functioning
- monitoring of tanks and liquids
- application areas and the limitation of use
- assembly, maintenance, and testing
- presentation of essential products

With practical demonstrations:

- examination of leak detectors
- fault detection, troubleshooting
- exchange defective parts
- function control
- leak test



Picture above: SGB's training room equipped with real functioning leak detection systems.



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