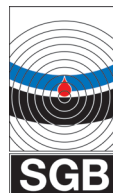


LEAK PREVENTION TECHNOLOGY

For a clean and protected environment



Pressure leak detectors for tanks DL 590 PM and higher



Variants • Equipment • Accessories

SCAN ME



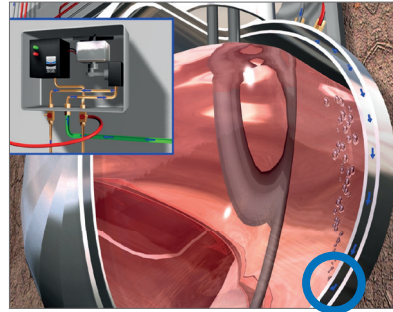
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Pressure leak detectors DL

Monitoring principle “overpressure“

With the DL leak detectors an overpressure is built up in the interstitial space of the tank. 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 tank 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.

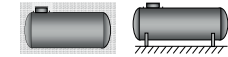
Optional equipment



> Si (service indication)

Indicates the mandatory recurring functional test of the leak detector after the freely selectable interval of 1 to 63 months.

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 .. PM (in mbar):

Type DL .. PM	Alarm pressure >	Operation pressure <	max. pressure on tank 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

Articles for assembly

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

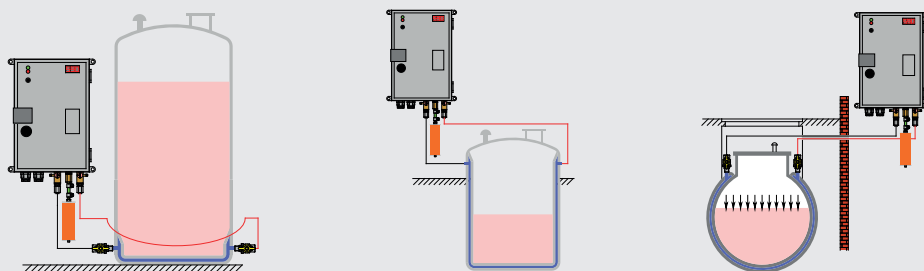
Art-No.	Description	Euro	Qty
190406-04	Inst. kit DL..., R1"m - CF8/6, for CU-pipe 8/6x1mm		1 pce
alternative installation kit with valves:			
190416-04	Inst. kit DL..., DLG..., R1"m - CF8/6, shut-off valve, for PA-hose 8/6x1mm		1 pce

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.

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, Condens. 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!).			



Art.-No.	Description	Euro	Qty
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.			

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Service

+ Customized type plates:

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+ 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.

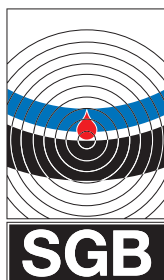
More information and booking on:
www.sgb.de

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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