

Leak Detectors for Tanks & Pipes

LAG 14ER Liquid Filled System

Application

The LAG-14 ER Leak Detection System is specially designed to monitor the interstitial space of double skin steel or GRP non-pressurised storage tanks.

Tanks may be located in safe or hazardous areas, either above or below ground, and of offset or direct fill type.

The system consists of the LAG-14 ER Leak Detector, an anti-static plastic header tank complete with electrode and LAG installation kit.

Operation

The header tank and interstitial space is filled with a suitable leak detection liquid. The electrodes in the header tank are normally immersed in the fluid.

A leak in either the inner or outer skin results in a fall of level in the header tank, initiating a visual and audible alarm.



LAD10 Pressure System



Application

Pressure type leak indicator for double-skinned un-pressurised tanks.

Can be used on tanks containing non-inflammable liquids and for inflammable liquids belonging to danger classes A I, A II, A III and B.

The LAD 10 switches on the alarm when the pressure in the double-skin falls below 465 mbar. The integrated safety valve prevents the pressure from exceeding 570 mbar.

Pressure type leak indicators are operated with dried air (10% relative humidity). Drying filters with replaceable drying beads are used to dry the air.



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Application

Leak detector for monitoring double-skinned pipes by means of over-pressure with inert gas (e.g. nitrogen), without a permanent supply cylinder having to be connected.

Can be used in double-skinned piping systems used to transport non-inflammable liquids as well as inflammable liquids belonging to danger classes AI, AII, AIII and B.

If the pressure in the monitoring chamber drops below the set threshold value alarm "ON", the system sets off visible and audible alarms.

LAD R High Pressure System for twin wall pipes



LAZ Vacuum System



Application

Vacuum Leak detector for use with high vacuum, double-skinned and single-walled tanks with internal lining.

The unit is suitable for monitoring both aboveground and underground tanks containing inflammable liquids of danger class A III as well as non-inflammable liquids which contaminate water.

The Eurovac 04-1 is adjusted for an alarm vacuum level of 325 mbar (approx. 3250 mm WC) and is certified for tanks with diameters of up to 2.9 m.



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LAG 14 ER

Leak Detection System



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Application

The **LAG-14 ER** Leak Detection System is specially designed to monitor the interstitial space of *double skin* steel or GRP non-pressurised storage tanks.

Tanks may be located in safe or hazardous areas, either above or below ground, and of offset or direct fill type.

The system consists of the LAG-14 ER Leak Detector, the anti-static plastic header tank complete with electrode and the LAG installation kit.

Operation

The header tank and interstitial space is filled with a suitable leak detection liquid.

The electrodes in the header tank are normally immersed in the fluid. A leak in either the inner or outer skin results in a fall of level in the header tank, initiating a visual and audible alarm.

Specification

System Pt. No. A000 43540

Supply

230 V 50Hz, Tol.-15% +10%, 5VA

Safety Certification

PTB Ex-95.D.2113X. to [EEx ia] IIC

Output

Single pole voltage-free relay contact rated 230Vac 2A

Indication

Dual type LEDs for Supply 'on' (green) and Leak Alarm (red)

Audible Alarm

Piezo-electric buzzer with 'mute' facility and auto-reset

Test Facility

Integral push-button to simulate leak condition

Temperature

Ambient: -5°C to +50°C

Dimensions

LAG Housing 163 (h) x 97 (w) x 62mm (deep)

Protection

IP30 (BS 56490/IEC 529)

We reserve the right to alter specifications or designs without notice.

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- **RADAR and MICROPULSE**
- **ULTRASONICS**
- **PRESSURE TRANSMITTERS**
- **VIBRATION SWITCHES**
- **CAPACITANCE**
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- **Conductivity**
- **Rotary Paddle and 'Plumb bob'**
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- **Self-powered gauges**
- **Oil/water Alarms**
- **Leak Detectors**
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