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Leak Detector Type D9

Air drye

e.g. for Filling Stations

Pressure line

LEAK DETECTOR TYPE D9 - PRESSURE PRINCIPLE

- without / with Manifold

Field of application:

- Underground and aboveground double-walled tanks with a monitoring space permitted to an pressure up to 0.6 bar.
- With an appropriate manifold system, up to 6 underground tanks can be monitored with one leak detector - the overall monitoring space volume may not exceed 8 m³.
- Tanks without leak detection fluid in the monitoring space.

Stored liquids: Water-endangering liquids, also with a flash point ≤ 55° C

General Design Permit (DIBT) No. Z-65.23-109 Approval:

Tested by TÜV Nord, Hamburg

Within dry, frost-protected area, or outside into a protective enclosure. Assembly place:

It is not allowed to install the leak detector in an ex - zone!

Function: The leak detector works on the pressure principle.

Visual and audible alarms are triggered by a pressure drop as a result of leaks

in the tank walls, above or below the liquid level.

Ambient air is drawn by the pump through an integrated air dryer and pumped with a max. relative humidity of 10% into the monitoring space. Small system

leakages are balanced by the pump automatically.

An integrated pessure valve on the pump protects the tank against damage

 $(P_{\ddot{\mathsf{U}}\mathsf{S}}).$

Switching values: in mbar Pump "off" 450 P_{Poff}

> Pump "on" P_{Pon} 375 Alarm "on" P_{Aon} 325 P_{Aoff} 410 Alarm "off" ÜSV "open" $P_{\ddot{\mathsf{U}}\mathsf{S}}$ 490 (All values are approximate)

Drying beads: Pay attention to the right size of

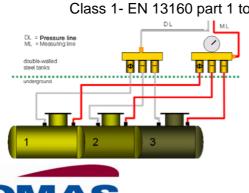
the air dryer.

Detailed data in the documentation / Note:

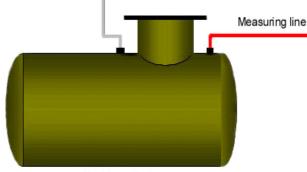
assembly instructions.

Standard: EU Standard for Leak Detection Systems

Class 1- EN 13160 part 1 to 7



A Gardner Denver Product



Double-walled tank