

LEAK PREVENTION TECHNOLOGY

For a clean and protected environment



Vacuum Loss Detector VLD



NEW

VLD:

The vacuum loss detector for high vacuum insulated applications

Leak Prevention Technology by SGB for LH_2 , LNG, NH_3 and cryogenic applications

High vacuum insulation at cryogenic applications is a very efficient technology.

Our new leak detector VLD (= Vacuum Loss Detector) consists of two units:

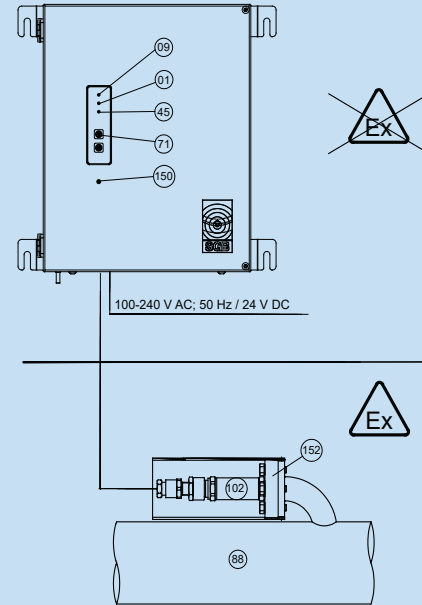
- An explosion-proof high vacuum monitoring sensor and
- Associated indicating units (single or double version) which trigger an optical and audible alarm. Including dry relay contact for alarm-forwarding.

This continuously monitors the function of the insulation. The smallest leaks in the system quickly lead to an increase in the pressure and are indicated immediately.

SGB – flexible and tailored to your requirements

- > Design of connections, e. g. flanges, according to customer requirements
- > Pre-alarm and main alarm thresholds are programmed according to specification.
- > For the monitoring of two separate interstitial spaces, two sensors and the double indicating unit are used.

Installation example:



- | | |
|-----------------------------------|-------------------------|
| 01 Signal lamp "alarm", red | 88 Double-walled pipe |
| 09 Signal lamp "operation", green | 102 Pressure sensor |
| 45 Signal lamp "warning", yellow | 150 Maintenance display |
| 71 "Mute" button | 152 Connection flange |

Also available with a fully Ex-protected indicating unit



High vacuum insulation monitoring by SGB:

Vacuum port also available!



Stainless steel HV sensor for LH_2 , LNG, NH_3 and cryogenic applications



Indicating unit for HV sensor, single version, 100-240 V AC, weather-proof



Indicating unit for HV sensor, double version, 100-240 V AC, weather-proof



Counter flange for mounting on HV sensor incl. seal, screws and nuts



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