



Alarm unit for separators WGA 06



Benefits

- For oil, petrol and grease separators
- Oil-on-water alarm/overflow alarm
- With EX approval for zone 0

Application

Together with the WGA-ÖW probe, WGA 06 monitors pump and control shafts in separator systems for oil accumulations and generates an alarm signal before pollutants can reach the sewage system. It is also possible to connect the WGA-AS probe. It enables the detection of maximum levels in separators or retention tanks. This avoids overflowing that may be caused by clogged outlets or other circumstances. The unit keeps harmful substances from reaching the sewage water system.

Versions

	Part no.
Alarm unit for separators WGA 06 without probes	53414
Probe WGA-ÖW for oil-on-water alarm	53417
Probe WGA-AS for overflow alarm	53415
Terminal box LJB 2-78-83 1 x input/1 x output	53403A
Terminal box LJB 3-78-83 2 x input/1 x output	53403B

Blue part no. = in-stock items

Description

WGA 06 consists of an evaluation unit and a capacitance probe (WGA-ÖW or WGA-AS). The control unit is equipped with 2 relay outputs, visual and audible alarms as well as Test and Acknowledge buttons. Either the floating probe WGA-ÖW or the fixed probe WGA-AS can be connected. WGA-ÖW floats on the surface of the water in the shaft and generates an alarm signal when an oil, grease or petrol layer of at least 15 mm has built up. WGA-AS is mounted above the constant level of the separator or the retention tank. An alarm is triggered when the maximum level is reached. The control unit monitors the probes for short circuits or line interruptions.



Technical specifications

Operating temperature range

Medium: 0/60 °C

Ambient: -25/+50 °C

Supply voltage

AC 230 V

Power input

Approx. 2 VA

Switching outputs

Relay contact: 2 voltage-free changeover contacts, 1 can be acknowledged

Contact rating: AC 250 V, 5 A, 100 VA

Visual indication

1 green LED normal operation,

1 red LED alarm,

1 red LED fault

Audible alarm

Integrated piezo-buzzer, can be acknowledged

Function test

By means of test button

Housing

Wall mounting housing made of impact-resistant plastic (polycarbonate)

W x H x D: 175 x 125 x 75 mm

Degree of protection: IP 65 (EN 60529)

Ex approval

Ex II (1) G [Ex ia] IIC

Floating probe WGA-ÖW (oil-on-water)

Measuring principle: Capacitance

L x ø: 120 x 370 mm

Cable length: 5 m, PVC, oil-resistant

Ex approval: Ex II 1 G Ex ia IIA T5 Ga

Probe WGA-AS (overflow)

Measuring principle: Capacitance

L x ø: 81 x 82 mm

Cable length: 5 m, PVC, oil-resistant

Ex approval: Ex II 1 G Ex ia IIA T5 Ga

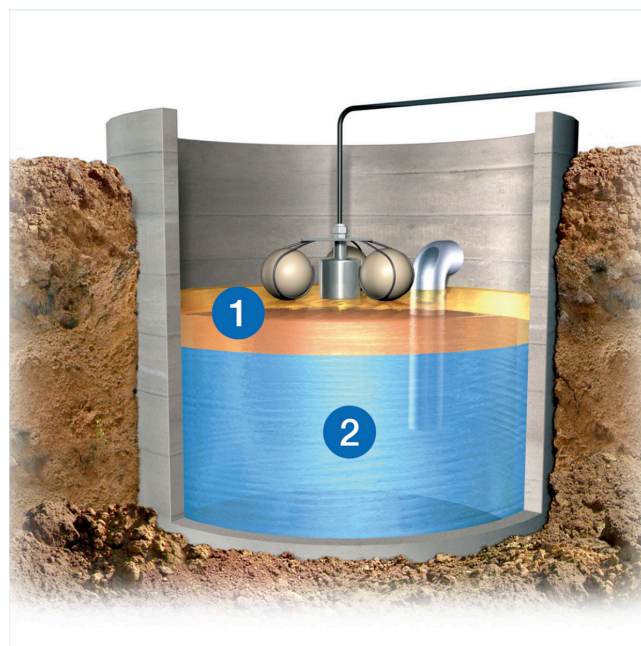
Connection probe – control unit

Max. 300 m, depending on line resistance

Scope of delivery

- Control unit
- Without probes

Detail views



1. Oil
2. Water