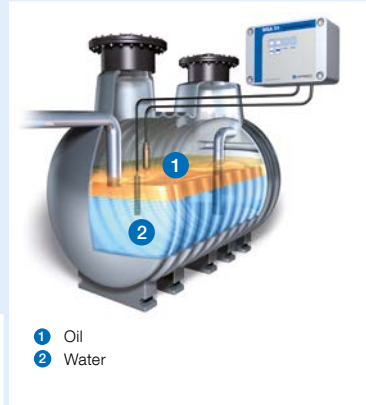


# Alarm unit for separators WGA 01



- For oil and petrol separators
- Layer thickness/overflow alarm



1 Oil  
2 Water

6

**Application** Oil and petrol pose a great hazard to groundwater and waste water. WGA 01 monitors the thickness of the layer of separated liquid in oil and petrol separators and generates an alarm signal when it is time to drain the separator. In addition, the maximum level in the separator can be detected. This avoids overflowing that may be caused by clogged outlets or other circumstances. The unit keeps harmful substances from reaching the sewage water system.

**Description** WGA 01 consists of a control unit, a capacitance probe (WGA-ES4) for monitoring the thickness of the oil or petrol layer and an optional additional PTC thermistor probe (WGA-R6) for detecting the maximum level (overflow alarm). The control unit is equipped with 2 relay outputs, visual and audible alarms as well as Test and Acknowledge buttons. The WGA-ES4 probe is mounted at least 150 mm below the constant level of the separator. As soon as the oil or petrol layer reaches the critical level, the device generates an alarm signal. By installing the optional WGA-R6 probe above the constant level, you can also monitor the maximum level. The control unit monitors the probes for short circuits or line interruptions.

**Technical specifications**

**Operating temperature range**  
Medium: -20/+40 °C  
Ambient: 0/40 °C

**Probe WGA-ES4**  
Function principle: capacitance  
Length 220 mm, Ø 25 mm  
Cable length 5 m

**Probe WGA-R6 (option)**  
Function principle: PTC thermistor  
Length 100 mm, Ø 22 mm  
Cable length 5 m

**Connection probe – control unit**  
Max. 200 m

**Supply voltage**  
AC 230 V

**Power input**  
Approx. 4 VA

**Switching outputs**  
Relay contacts: voltage-free changeover contacts (cannot be acknowledged)  
1 x for layer thickness  
1 x for overflowing (overflow)  
Contact rating: AC 250 V/5 A/ 100 VA

**Visual indication**  
1 green LED layer thickness (operation)  
1 green LED overflow (operation)  
1 red LED layer thickness (alarm)  
1 rote LED overflow (alarm)

**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)

**ATEX approvals**  
Control unit:  
Ex II (1) G [Ex ia Ga] IIB

**Scope of delivery**  
Control unit, probe WGA-ES4  
Cable extension fitting, mounting accessories

**Options**  
Probe WGA-R6

**i**  
Enquire for other probe cable lengths.

DG: H, PG: 4	Part no.	Price €
<b>WGA 01</b> incl. probe WGA-ES4 (layer thickness)	<b>53410</b>	
<b>Additional probe WGA-R6</b> (overflow)	<b>53419</b>	
<b>Spare probe WGA-ES4</b>	<b>53418</b>	

Blue part no. = in-stock items