

# Alarm unit for separators WGA 02/WGA 03



- For oil, petrol and grease separators
- Layer thickness/overflow alarm
- With ATEX approval for zone 0



1 Oil  
2 Water

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### Application

Oil, grease and petrol pose a great danger to groundwater and waste water. WGA 02 monitors the thickness of the layer of separated liquid in oil, petrol and grease separators and generates an alarm signal when it is time to drain the separator. WGA 03 can also detect the maximum level in the separator. 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 02 consists of a control unit and a conductivity probe (WGA-SD 03) for monitoring the oil or grease layer. The control unit is equipped with 2 relay outputs, visual and audible alarms as well as Test and Acknowledge buttons. The WGA-SD 03 probe is mounted below the constant level of the separator. As soon as the oil, petrol or grease layer reaches the critical level, the device generates an alarm signal. WGA 03 is equipped with an additional capacitance probe (WGA-AS). It is mounted above the constant level. 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
- Probe WGA-SD 03 (layer thickness)**  
 Function principle: conductivity  
 Length 216 mm, Ø 25 mm  
 Cable length 5 m, PVC, oil-resistant
- Connection probe – control unit**  
 Max. 300 m
- 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 operation  
 1 red LEDs alarm  
 1 red LEDs error
- Audible alarm**  
 Integrated piezo buzzer, can be acknowledged
- 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] IIC  
 Probe WGA-SD 03: Ex II 1 G Ex ia IIA T5 Ga
- Scope of delivery**  
 Control unit, probe WGA-SD 03, junction box, mounting material

### Additional specifications WGA 03

- Probe WGA-AS (overflow)**  
 Function principle: capacitance  
 Length 81 mm, Ø 82 mm  
 Cable length 5 m, PVC, oil-resistant
- Power input**  
 Approx. 4 VA
- Visual indication**  
 1 green LED operation  
 2 red LEDs alarm  
 2 red LEDs error
- ATEX approvals**  
 Probe WGA-AS: Ex II 1 G Ex ia IIA T5 Ga
- Scope of delivery**  
 Like WGA 02, but with additional WGA-AS probe

DG: H, PG: 4	Part no.	Price €
<b>WGA 02</b> incl. probe WGA-SD 03	<b>53540</b>	
<b>WGA 03</b> incl. probes WGA-SD, WGA-AS	<b>53541</b>	
<b>Spare probe WGA-SD 03</b>	<b>53542</b>	
<b>Spare probe WGA-AS</b>	<b>53415</b>	

Blue part no. = in-stock items