



Alarm unit for separators ASA-02-1

Part no. 53423

Alarm unit for separators

benefits

- for oil, petrol and grease separators
- with layer thickness alarm
- optional overflow alarm and/or sand/sludge alarm
- with Ex approval for use in zone 0



Application

Oil, grease and petrol pose a great hazard to groundwater and waste water. ASA-02 monitors the layer thickness of separated liquid in oil, petrol and grease separators and generates an alarm signal when it is time to drain the separator. With the optional retrofittable overflow probe and the sand/sludge probe, it is possible to detect the maximum permissible level and/or a layer of solids in the separator. This avoids overflows that may be caused by clogged outlets or other circumstances. The unit keeps harmful substances from reaching the sewage water system.

Description

The base system ASA-02 consists of a control unit and a capacitance probe ASA-LP to monitor the layer thickness of oil, petrol or grease layers. The control unit is equipped with 3 configurable relay outputs, visual and audible alarms as well as an acknowledge button. The ASA-LP layer thickness 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. Optionally, the maximum level can also be monitored with the ASA-HLP overflow probe and the sand and sludge deposits with the ASA-SP sand/sludge probe.

Technical Specifications

Operating temperature range

Medium: -20/+40 °C
Ambient: -20/+60 °C

Supply voltage

AC 230 V

Power input

ca. 2 VA

switching outputs

Relay contact: 3 voltage-free changeover contacts
Contact rating: AC 250 V, 5 A, 100 VA

visual indication

Status LED for each probe

audible alarm

integrated piezo-buzzer, can be acknowledged

Housing

Wall mounting housing made of impact-resistant plastic (ABS)
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 GA] IIA

Measuring principle: Capacitance
 L x ø: 150 x 30 mm
 Cable length: 5 m, PEHD, oil-resistant
 Ex approval: Ex II (1) G [Ex ia] IIA T4 Ga

Measuring principle: Ultrasonic
 L x ø: 150 x 30 mm
 Cable length: 5 m, PVC, oil-resistant
 Ex approval: Ex II (1) G [Ex ia] IIA T4 Ga

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Connection probe – control unit
 max. 500 m, Min. 2 x 0.75 mm²

Scope of delivery

- ASA-02-1
- control unit
 - Probe ASA-LP (layer thickness)
 - Connector ASA
 - Mounting material

Options

- Probe ASA-HLP (overflow)
- Probe ASA-SP (sand/sludge)

Versions

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- in-stock items
- Non-stock items