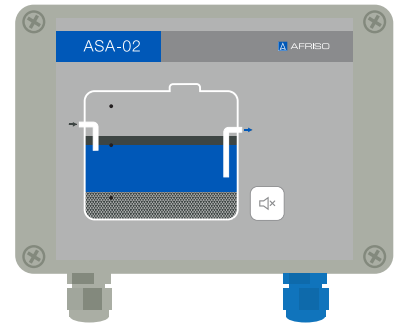# ASA-02

Separator alarm

EX-rated grease and oil separator alarm with status LEDs

The **ASA-02** is an advanced grease and oil separator alarm, specially designed for use in environments with a risk of explosion. It consists of an electronic unit that can be connected to up to three digital ASA sensors.

Features and Benefits:

- 230 V version with an overview image of a separator with status LED for each sensor, which provides quick visual feedback on the state of the separator.

Layer sensor (ASA-LP):

- Enables fast detection of the need to empty the oil/grease layer of the separator to reduce the risk of overfilling and downtime.
- Gives the user control over the separator and optimizes the emptying requirement for efficient operation.

High Level Sensor (ASA-HLP):

- Ultrasonic sensor that warns when the liquid level in the separator rises above a preset level above the outlet pipe.
- Provides early warning of potential clogging in outlet or filters, enabling quick action to prevent damage and spills.

Sludge sensor (ASA-SP):

- Ultrasonic level sensor that alarms when the level of sludge, sand and other solid materials exceeds the predetermined level.
- Provides continuous monitoring of the sludge level to prevent deterioration of the separator's capacity and reduce the risk of operational disruptions.

Why choose ASA-02:

Efficiency and Reliability: By detecting oil/grease layer, liquid level and sludge level, the ASA-02 alarms ensure effective maintenance and reduce the risk of downtime and damage.
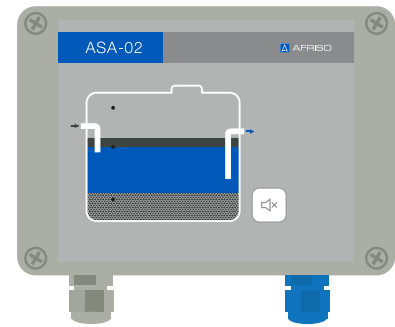
Safety and Environmental Awareness: Early warning of potential problems reduces the risk of accidental releases and ensures compliance with environmental regulations and safety standards.

Technology for Environmental Protection
Measuring. Controlling. Monitoring.

AFRISO

ASA-02

Separator alarm

Technical specificationsr:

Housing:	175 x 125 x 75 mm (W x H x D), 0,75 kg, ABS plastic, IP 65 Front panel with status LEDs
Cable connections:	2 cable glands and 3 knock-outs. (7–10 mm)
Voltage supply:	AC 230 V
Relay outputs:	3, one for each sensor. AC 250V / 5A / 100VA
Ambient temperature:	-20°C - +60°C
Alarm:	3 LEDs and acoustic alarm
Ex certificate:	DNV 23 ATEX 86944X ⟨Ex⟩ II (I) G [Ex ia Ga] IIA

Accessories:

Layer sensor ASA-LP

Enclosure:	150 mm, Ø30 mm, PEHD plastic, IP68
Sensor cable:	5 m oil-resistant, 2 x 0,75 mm²
Liquid temperature:	-20°C - + 40°C
Ex certificate:	DNV 23 ATEX 86944X ⟨Ex⟩ II 1 G Ex ia IIA T4 Ga

High level sensor ASA-HLP

Enclosure:	150 mm, Ø30 mm, PEHD plastic, IP68
Sensor cable:	5 m oil-resistant, 2 x 0,75 mm²
Liquid temperature:	-20°C - + 40°C
Ex certificate:	DNV 23 ATEX 86944X ⟨Ex⟩ II 1 G Ex ia IIA T4 Ga

Sludge sensor ASA-SP

Enclosure:	150 mm, Ø30 mm, PEHD plastic, IP68
Sensor cable:	5 m oil-resistant, 2 x 0,75 mm²
Liquid temperature:	-20°C - + 40°C
Ex certificate:	DNV 23 ATEX 86944X ⟨Ex⟩ II 1 G Ex ia IIA T4 Ga