MAXIMUM MINIMUM LEVEL SENSOR	CYLINDER

FILE 5.29
VERSION 2. 14/06/2021

COD. ASNIVELM122-220, ASDETPEN, ASDETROTFIL1-2, ASDETROTUWT 1-2, ASDETCAPEND1-2, ASDETFIN, ASSOPBRIDN***, ASSOPMEM , ASSOPROSTECH, ASSSOPROSPAR

TECHNICAL SPECIFICATIONS

4 types of sensors indicating max-min grain level inside the silo.

A MEMBRANE LEVEL SENSOR:

• Used as min-level detector, en productos pulverulentos y granulados de flujo fácil y con un peso específico entre 300 y 2500 kg/m³. It is not recommended as max-level detector.

OPERATION The pressure applied by the grain on a membrane, activates a switch and sends a signal.
• They are very robust and do not require power
• Easy assembly, as it adapts perfectly to the wavy shape of the ferrule
• It is installed either on the silo wall or on the hopper.
• The connection to the silo is done with a positioning plate.
· It incorporates a regulation column, which allows the adjustment of the sensitivity.

B PENDULAR LEVEL SENSORS:

• Used as max-level detector.

OPERATION Due to the slope generated by the grain, the cone is displaced, activating a switch located at the end of the bar.
• Installed on the roof with a flange support.
• Very strong, simple and do not need power.
The connection to the silo is done with a flange support.

C ROTATIVE LEVEL SENSORS

• Used as max-level and min-level detector (SOLIDO 500)

OPERATION The blade is turning until the grain blocks the movement, and afterwards, sends and signal.
• As max-level detector, it is installed on the roof, with an extension in order to reach the grain, with a threaded level indicator 1 ½".
• Much more sensitive than de membrane ones, but requires power and maintenance.
• Connection to the silo is done by a thread 1 ½".

D CAPACITIVE LEVEL SENSORS

• Used as max-level and min-level detector.

OPERATION Generate a signal while changing the conductivity of the surrounding environment of the device.
• Supplier : Endress Hauser
• Very expensive and power is needed.
• Connection to the silo is done by a thread 1 ½" for the max-level detector and 1" for the min-level detector.

E LIMIT SWITCH SENSORS

• Detects if the access door located in the silo wall is closed or open. Model ZCK-M1 with push button.

OPERATION When the door is closed, press the button that activates the mechanism.
• It is installed between both leaves of the door, in the frame, so that the device sends the signal from the interior leaf, by means of a cable.

A

ATEX CERTIFIED

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