

Level sensor and supports.
Accessories. Additional System

MAXIMUM MINIMUM LEVEL SENSOR

CYLINDER

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

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 a 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 1/2".
- Much more sensitive than de membrane ones, but requires power and maintenance.
- Connection to the silo is done by a thread 1 1/2".

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 1/2" 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.



LEVEL SENSOR SUPPORTS

ACCESSORIES CYLINDER

TECHNICAL SPECIFICATIONS

They are classified according to silo connection.

Supports:

A MEMBRANE DETECTOR

This detector is installed over the bodysheet without any support

B ROTATIVE LEVEL INDICATOR SUPPORT

To connect rotative level detectors (minimum capacity)

PARTS AND MATERIALS

- Painted sheet. S275 JR e= 5mm
- Thread
- $\varnothing(\text{ext}) = 55\text{mm}$
- DIN 2986
- Female thread BSP GAS 1 1/2"

C THREADED SUPPORT FOR ROOF/ HOPPER

To hanging, capacitive or rotative detectors with extension

PARTS AND MATERIALS

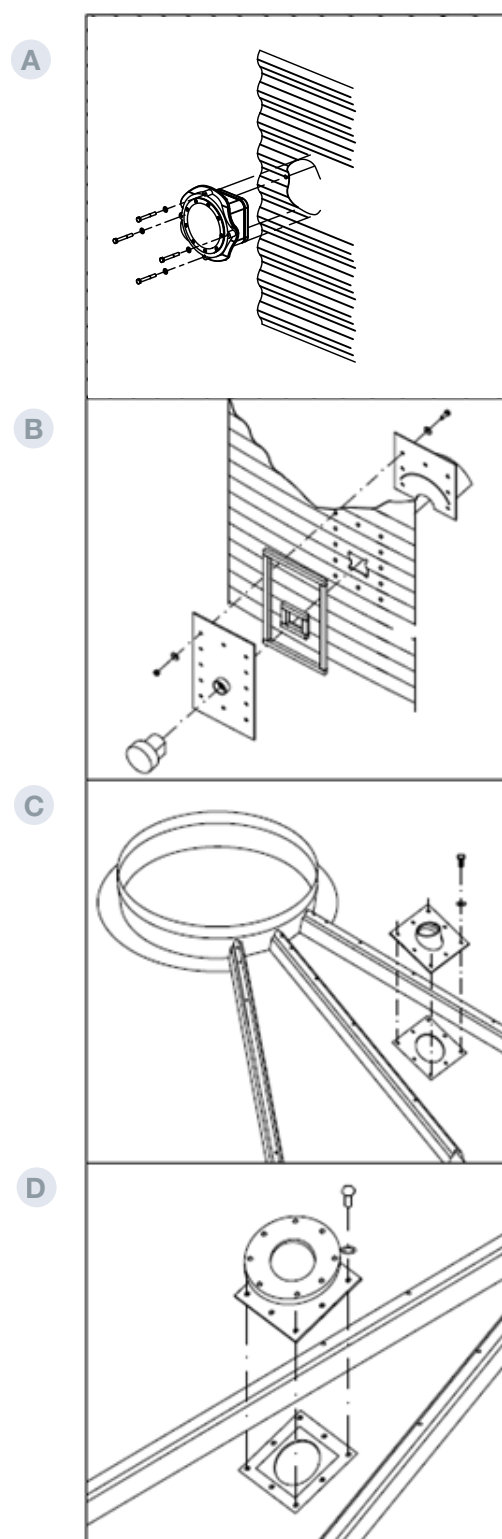
- Painted sheet. S275 JR e= 3mm
- Thread
- $\varnothing(\text{ext}) = 55\text{mm}$
- DIN 2986
- Female thread BSP GAS 1 1/2" ó 1"
- To change thread 1 1/2" to 1" it's necessary an adapter

D FLANGE SUPPORT

To radar or special detectors

PARTS AND MATERIALS

- Steel sheet fixed on the roof. Galvanised sheet. S275 JR. e= 5mm
- Galvanised steel pipe. S275 JR. $\varnothing(\text{ext}) = 106\text{mm}$. e= 6mm.
- Circular steel sheet defined by the customer. Galvanised steel. S275 JR. e= 5mm
- PN 100 DR 16. Geometry according to PN 60, PN 100 ó PN 200





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