MAGNUS.

Self Install Procedure

Version 1.1

General Enquiries

support@magnusmonitors.com

Keep these handy before you begin.

A Monitor

Alcohol wipes

Stixall Sealant

Dip Stick

Spirit Level

Measuring Tape

Task 1: Identify your tank

Note down the following information of the tank to be used during the device setup:

Material
1. Is it a metal or a plastic tank?

Layer
2. Is it a single skin or a bunded tank?

Brand
3. Can you look for the tank's brand and model number?

Content
4. What content is stored inside the tank?

Shape
5. What is the shape of the tank?
Cuboid/Horizontal Cylinder/Vertical Cylinder/Turtle/Other

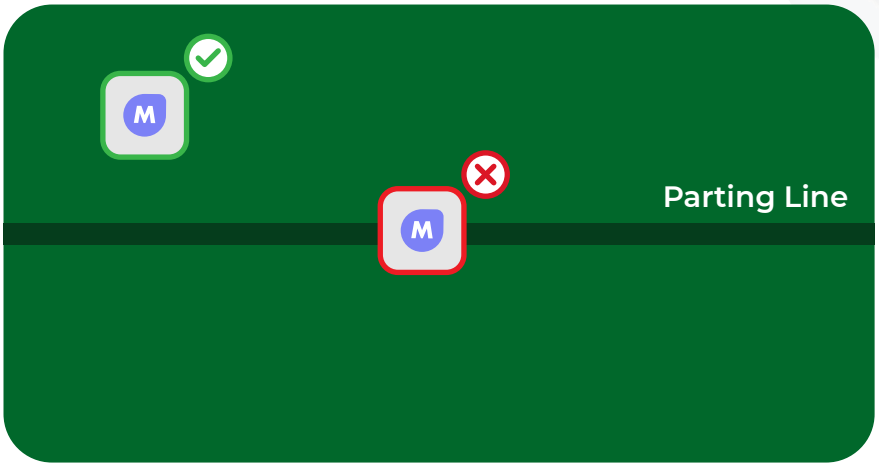
Capacity
6. What is the capacity of the tank?

Task 2: Identify the right location

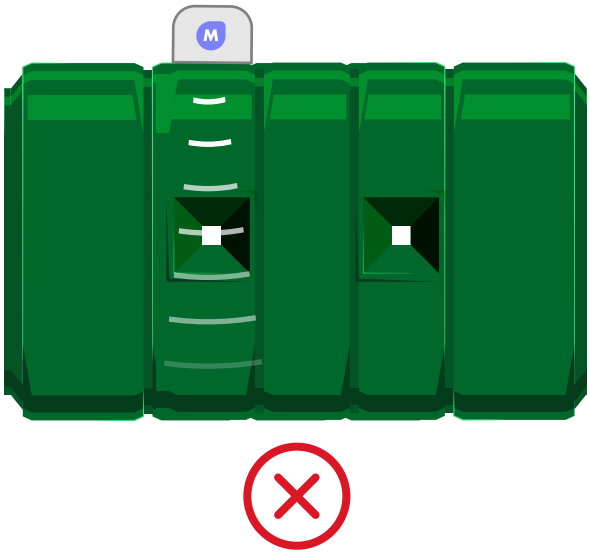
a. Choose a flat, level position for the Monitor that is no lower than maximum fill level of the tank. Ensure the Monitor does not sit at an a angle as this can generate an incorrect level reading. Take care not to choose an area where water can gather under the Monitor.

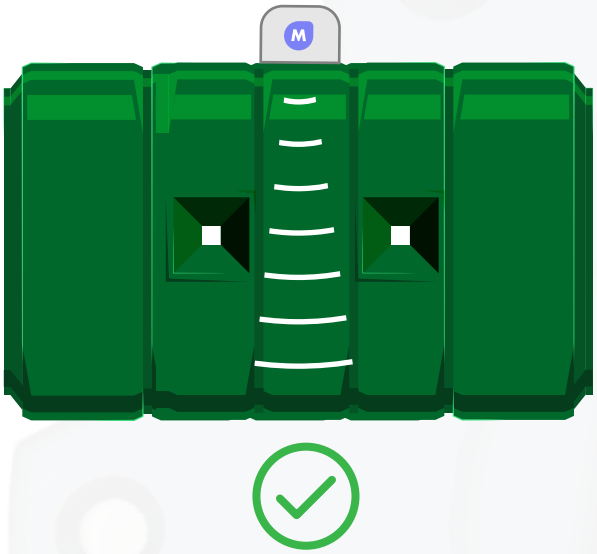
Note: If you are installing on a metal tank, the tank must have an existing gauge hole where the sensor can be fitted in order for the tank to be compatible with the Magnus monitor. This gauge hole is not required for Plastic tanks.

b. Cannot be installed on the part-line because of the ridge, which is prone to plastic deformities.

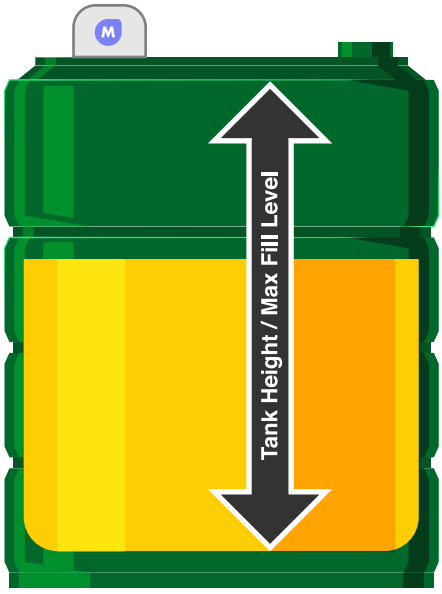


c. For tanks with window corrugations or internal braces please ensure that the Magnus is not positioned above or within 15 cm of the area of the window or the edge of the tank. Ensure that the radar path is clear to the bottom of the tank as per pic 2.



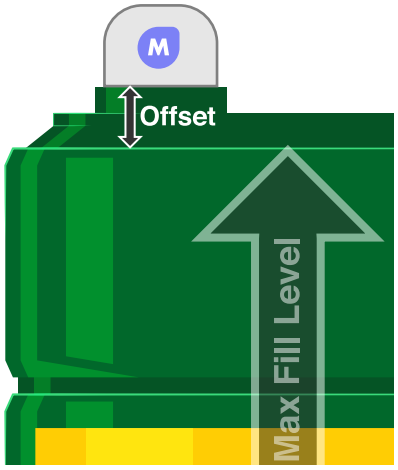


Task 3: Measure your tank

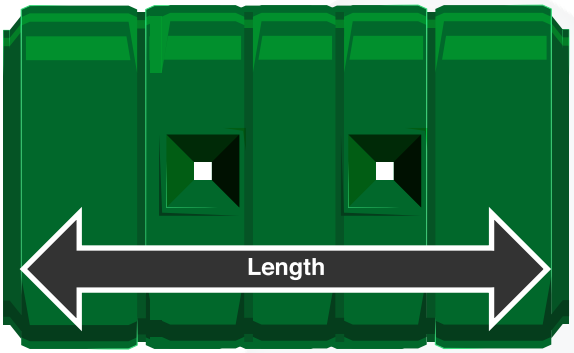


a. Tank's height is from the bottom of the tank to the max content fill level.

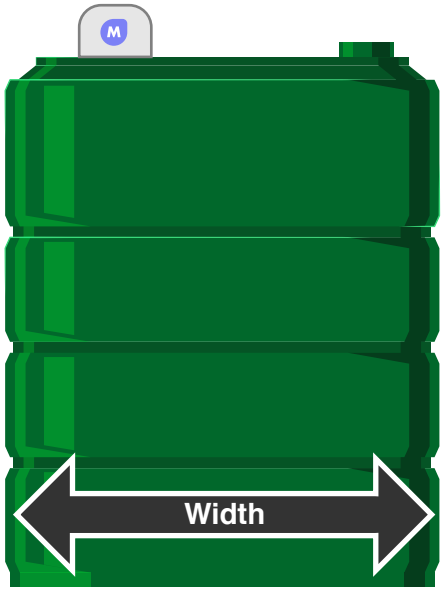
b. Content Height can be measured using a dipstick.



c. Offset is the gap between the max fill level and where the device is installed, in case it is on a raised platform as above.



c. Length is measured as shown in image above.
Ensure the tank is on a level platform.



d. Width is measured as shown in image above.

Tank Height ----------

Content Height ----------

Monitor Offset ----------

Tank Length ----------

Tank Width ----------

Task 4: Begin Installation

1. Download the Magnus Admin App from the Google Playstore.

2. Select Install Monitor option & follow the on-screen instructions.

GET IT ON Google Play

Task 5: Fix the Monitor

1. Mark out the location for the monitor (watch out for Task 1 & Task 2)

2. Smoothen the surface at monitor's chosen location with sandpaper.

3. Wipe the location where the monitor will be installed with alcoholic wipes.

4. Apply an all weather sealant like Stixall under the monitor generously.

5. Place the spirit level on the monitor and make sure it is flat

6. Click on verify and make sure the installation was successful.