

Fertilizer Tanks

Afriq Water
Fertilizer Tanks
are ideal for the
application of
liquid fertilizer
directly into your
irrigation
system,
distributed into
your field



Afriq Water Management Pty Ltd
Reg No: 2015/103339/07

Afriq Irripipe Pty Ltd
Reg No: 2020/539256/07

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Fertilizer Tanks Definitions

Liquid Fertilizer

A liquid form of food for plants and crops, that dissolves in water. The food includes essential nutrients to boost the plant's natural growth cycle and increase yields.

Fertilizer Tanks

Also called fertigation tanks.

A tank that is used to mix liquid fertilizers, from which the fertilizer is applied to the field by the existing irrigation system.

Drain

An outlet at the bottom of tank where leftover water and/or fertilizer mix can be drained out of tank.

Valve

Used to control the flow of water that is forced through the fertilizer tank.

Pressure Valve

Releases and closes to maintain a constant pressure in the tank.

BAR (Pressure)

1 BAR = 10m Height

Fertilizer Tanks Benefits

Fertilizer is evenly applied directly to the crop from the irrigation system, saving time and labour costs in comparison to distributing fertilizer with a hand-pump system

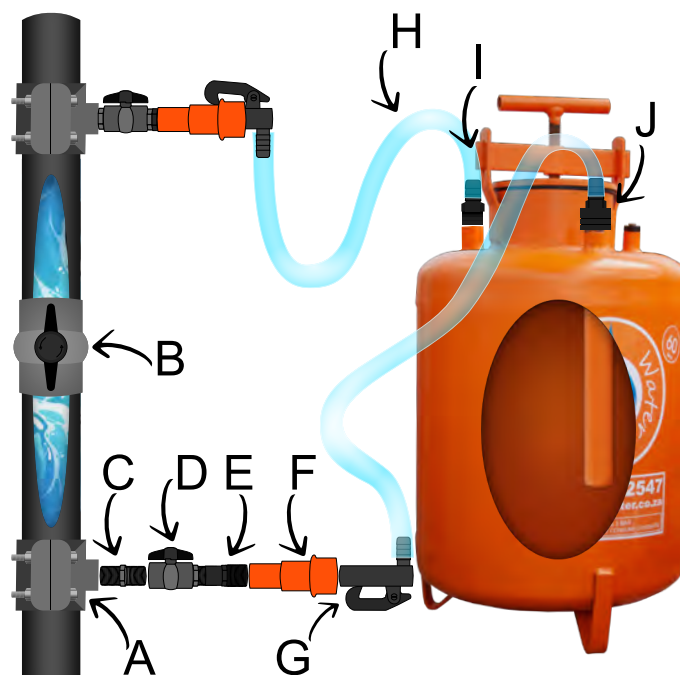
Fertilizer Tanks Specifications



- ♦ Maximum Operating Pressure of 3 BAR
- ♦ Tanks are made from thick steel sheets that are sprayed with epoxy-resin paint in a UV-resistant orange.
- ♦ Convenient handle placement for easy carrying
- ♦ The drain is conveniently placed. A valve can be used as a drain plug
- ♦ All connection points are marked and are not interchangeable



How to Set-Up Your Fertilizer Tank



- A 2 x Clamp Saddle for mainline (mainline size to 20mm)
- B 1 x Mainline Valve (in mainline diameter size)
- C 4 x Hex Barrel Nipples 20mm (either side of secondary valves)
- D 2 x Secondary Valves 20mm
- E 2 x Reducing Barrel Nipple 25mm to 20mm
- F 2 x Nylomatics 25mm
- G 2 x Latch Fittings 20mm
- H 2 x 1m Clear Tubing 20mm
- I Male Adaptor for Outlet 20mm
- J Female Adaptor for Inlet 20mm

Steps to setting up

1. Water should NOT be running at this stage.
2. Prepare fertilizer tank and fittings BEFORE filtration system.
3. Install mainline valve.
4. Install clamp saddles on either side of mainline valve.
5. Connect fittings together as shown above.
6. Ensure that the fertilizer tank's drain outlet is closed (valve can be used).
7. Ensure that an irrigation filter is set up correctly between the Fertilizer Tank and the irrigation system, to catch any undissolved fertilizer particles.
8. Ensure that all fittings are tightened - high pressure can cause fittings to pop out.
9. The Fertilizer Tank is now ready for use.

Fertilizer Tank Set-Up



How to Use Your Fertilizer Tank

with your sprinkler or drip irrigation system



Step 1

Open the mainline valve completely so that water flows into the irrigation system. Ensure both inlet and outlet valves are closed before opening water supply.

Step 2

Open the top lid of the tank by loosening and sliding out the handle. Pour the liquid fertilizer into the tank, using the measurements and mixing ratios provided by the liquid fertiliser manufacturer. Fill the tank with the correct amount of water, in the ratio recommended by the fertilizer manufacturer. Close the lid tightly.

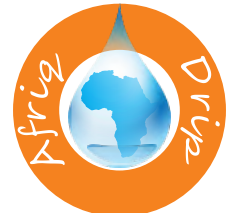
Step 3

Open the inlet valve completely so that water flows into the tank. Keep outlet valve closed so that pressure builds up inside the tank. This allows the fertilizer and water to mix thoroughly.

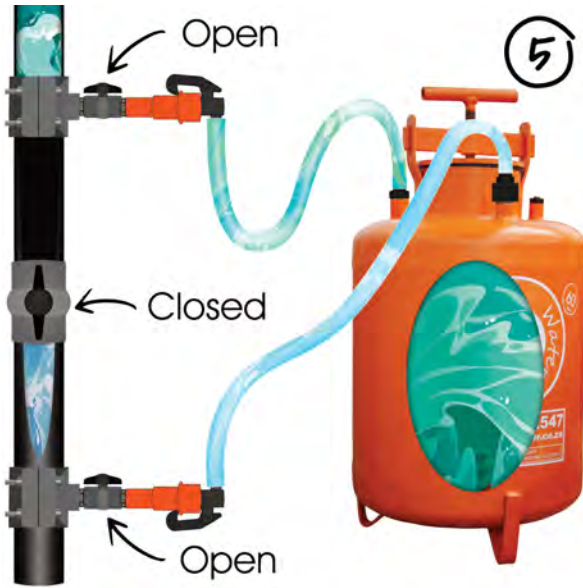
Step 4

Once the fertilizer has been mixed, close the mainline partially, so that only some of the water runs through the mainline, causing pressure to build up in the tank. Open the outlet valve completely, so that the pressure inside of the tank releases, and the water and fertilizer mix is pushed into the mainline.

Fertilizer Tank How to Use



How to Use Your Fertilizer Tank Cont.



Step 5

Once all of the fertilizer has been flushed out of the tank, close the mainline valve, and keep the inlet and outlet valves open. This will flush the last remaining fertilizer out of the system.



Step 6

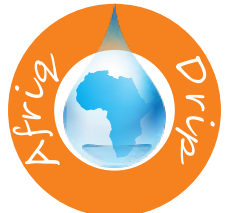
Open the mainline valve completely and close both inlet and outlet valves. Run the irrigation system as normal for a while to ensure that all the fertilizer reaches your crop and is flushed out of the system.

Step 7

Remove lid of fertilizer tank and open drain. Clean thoroughly with water.



Fertilizer Tank How to Use



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**We do not do installations,
 we will try our best to refer you to
 experts in certain areas.**



Watering for a greener tomorrow

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 www.afriqwater.co.za
 Max pressure 3 BAR
 Contains fertilizer - DO NOT CONSUME CONTENTS