

# FertiFill



- Automatically prepare A and B tank solutions
- Save time and labour
- Flexible recipe selection
- Includes parallel control for the A and B tanks
- Allows you to easily keep track of fertilizer use
- Generates alarms in case of deviations



## Accurate and Trouble-Free Dosing of Liquid Fertilizers

Liquid fertilizers not only allow precise amounts to be dosed, but also save you quite a bit of generally unpleasant work compared to solid fertilizers. However, manually preparing mixtures with liquid fertilizers still takes considerable time and there is always the chance of accidentally dosing the wrong amounts. Reasons enough to opt for HortiMaX's FertiFill unit which automates the process of filling your A/B fertilizer tanks. The FertiFill ensures that exactly the right amounts of fertilizers are used to prepare the right recipes and that your fertilizer tanks never drop below a preset level.

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# FertiFill

The FertiFill consists of two or more reactors for preparing the A or B solutions. Here the fertilizers are given sufficient time to interact. The dosing of liquid fertilizers into these reactors is extremely precise, because the frequency-controlled pump reduces its pump speed when dosing the last litres of each fertilizer. After thoroughly mixing the fertilizers, the mixture in the reactor is fed into the A or B tank. The FertiFill starts preparing a new mixture once the level in the A or B tank drops below a certain level. This means that you don't have to wait until the A or B tanks are empty to prepare more mixture. This ensures that your A or B tanks are always filled with plenty of solution and that you won't need to invest in another set of A and B tanks.

## Parallel control

The FertiFill enables you to link the A and B tanks. The FertiFill will then first prepare a fertilizer mixture in reactor A, where it is stored temporarily and then prepare a fertilizer mixture in reactor B. When the FertiFill has finished, both mixtures are fed into the A and B tank simultaneously. This ensures that both the A and B tank contain the same level of fertilizers. This makes the FertiFill the only A/B tank filler on the market which is well suited for use with fertigation computers which drain the A and B tank based on parallel control.

## Easy to switch recipes

You can program up to 64 recipes and easily adjust them later. If you change a recipe, you are given the option to immediately fill the A or B tank with the new mixture. The content of the A or B tank will then slowly change from the old recipe to the new one. You can, however, also instruct the unit to delay filling the A or B tank until they are nearly empty. You then switch almost immediately from one recipe to another.

## Keep track of liquid fertilizer use

The FertiFill allows you to keep track of the fertilizer use. The computer shows you exactly how much of each fertilizer has been used since the last time the tanks were replenished. This gives you a clear indication of how much free capacity is left in each fertilizer storage tank, without the use of level sensors in the fertilizer tanks. If you want to reorder any liquid fertilizers, you simply print an overview of the

space left in each fertilizer storage tank, including the order number of each fertilizer. It is also possible to display summaries showing the actual amounts of fertilizers used in each recipe, reactor or A or B tank. The FertiFill also includes an alarm function which warns you if, for whatever reason, the amount of fertilizer dosed deviates from the recipe.

## Safety

Liquid fertilizers are often hazardous substances. In designing the FertiFill, a lot of attention was paid to the containment of these substances. As a result, the reactor is the only place where these chemicals can come into contact and react with each other. In addition, the FertiFill constantly checks if the content of the reactor will fit in the A or B tank, so they won't overflow. As an option, the reactors can also be fitted with safety lids (the FertiFill will immediately stop operating if the reactor lid is opened) and with a temperature alarm (prevents problems if you dose substances which release a lot of heat, such as sulphuric acid).

## Operation

The FertiFill is easy to operate from the unit, so it is suitable for any nursery or greenhouse application. It is also possible to control the unit from your PC using the user-friendly Synopta® interface program (available in version 1 or 2) or with a Pocket PC and Pocket Synopta®. The latter enables you to view and allows you to merge this data with the data from other HortiMaX computers. This means that you can control your entire operation using just one system!

## More Information?

For more information, please contact HortiMaX at +31 (0)15 362 03 00 or one of our local dealers near you. You can also visit our website at [www.hortimax.com](http://www.hortimax.com).

- *Frequency-controlled pump provides highly accurate dosing of liquid fertilizers*
- *Offers a high degree of safety*
- *Fill up to 20 A/B tanks*
- *Program up to 64 recipes*
- *Easy to switch recipes*
- *Saves space because the A and B tanks are located beneath the unit*
- *Only 1 small A and 1 small B tank is needed per recipe*
- *Can be operated locally with Synopta® and remotely with Pocket Synopta®*
- *Simultaneously fills the A and B tank so parallel control of the fertigation computer is unaffected*
- *Much more reliable than direct injection*

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