



CREATING
A CLIMATE
FOR GROWTH

PRIVA



> PRIVA NEUTRALIZER

Ensure a stable pH level for your irrigation water

As a grower, you know how important it is to maintain the correct EC and pH levels in your irrigation water to ensure that your crops receive all the necessary nutrients. Besides accurate water and fertilizer dosing, this also requires a high-quality water source. High levels of bicarbonate can make it difficult to adjust the pH level to the desired value, especially when using borehole or surface water. The Priva Neutralizer pre-treats your water, reducing bicarbonate levels and hence facilitating a stable pH level.

> A stable pH level

From the fertilizer unit down to the plant roots

> A healthy crop

Improved growth, flavor and vitality of your crop

> Less blockage of drippers

Thanks to reduced bicarbonate levels

> Applicable for all kinds of water sources

Borehole water, surface water and urban water sources can all contain high levels of bicarbonate

The importance of controlling the pH level

Each crop has a pH level at which it performs best. Maintaining the right pH level is not only essential for the optimal intake of nutrients to prevent deficiencies and diseases, but also to ensure excellent plant quality.

A grower's challenge

If the water contains too much bicarbonate, it will be difficult to control the pH level. You may need to inject large volumes of acid in order to reach the desired pH level in your water storage tank, for example. When using a standard dosing system, however, it takes a long time for the acid to neutralize the bicarbonate and the carbonic acid produced cannot escape quickly enough. This carbonic acid vaporizes as CO₂ at the drippers, causing the pH level there to be higher than at the point of measurement. In other words, your crop receives water with a higher pH level than you initially intended!



Specifications

> All kinds of water sources

Applicable for all kinds of water sources, e.g. borehole water, surface water and urban water

> Control options

Controlled by the Priva process computer: Connex, Compact CC or Compass

> Capacities

Available in three capacities: 20, 40 and 60 m³/hour



So how can you ensure a stable pH level?

To maintain a stable pH level throughout the whole irrigation process, it is necessary to pre-treat the water in the water storage tank.

The Priva Neutralizer helps to remove bicarbonate from the water by pre-dosing acid and subsequently aerating the water through special venturis.

This results in water with a stable pH level throughout the entire irrigation process, from the water storage tank down to the plant roots.

How can we help you?

To find out more about how the Priva Neutralizer can help you to control your pH level, don't hesitate to contact us!