

## SECCUA ANTICAL

*The Seccua AntiCal module for the BioFilter reduces water hardness in a natural way. Limescale precipitates on surfaces are easy to wipe clean.*

### **Natural protection against limescale with Seccua AntiCal**

Like many of our foods, our drinking water provides us daily with important minerals and trace elements. These include calcium and magnesium, minerals that are important for our metabolism and for the formation and preservation of our bones. But it is precisely these two substances that are responsible for water hardness and cause limescale deposits on pipes, in shower heads, and in water heaters.

As long as water is deep in the ground, magnesium and calcium are stably dissolved in it. If it is then forced to the surface and transported through pipelines to our households, the pressure and temperature of the water change, and some of the previously stable magnesium and calcium solutes then combine with carbon dioxide in the water to become limescale crystals. This occurs primarily where there are already limescale crystals present, such as on pipe walls or in water heaters.

### **Seccua AntiCal in brief:**

- ☞ Reduces the formation of limescale in water lines
- ☞ No chemicals – completely environmentally friendly

### **The technology: stabilization of the limescale**

The Seccua AntiCal technology converts some of the hardness in the water to fine limescale crystals that are then suspended in the water and can no longer crystallize – or form classic limescale deposits – on the walls of pipes or water heaters.

In this way, the Seccua AntiCal merely controls a natural process, namely limescale formation, and ensures that the limescale first and foremost precipitates on limescale crystals that were formed by the Seccua AntiCal and are now suspended in the water, instead of precipitating on surfaces such as pipes, water heaters, or shower heads.

### **Capabilities**

- ☞ reduces hardness measurable up to 20%
- ☞ reduces scaling in water heaters, on pipe surfaces, in coffee-makers and alike equipment significantly
- ☞ healthy minerals like calcium & magnesium are kept in water

### **Capacity**

- ☞ The Seccua AntiCal(TM) medium has a typical lifetime of 5 to 10 years
- ☞ Please assure that the water does not contain double-positively-charged ions like Fe(II) or Cu(II) when entering into the AntiCal(TM) media, since that will destroy the functionality of the media

### **Max. flow**

- ☞ When stand-alone: 60 l/min (15.9 gpm) peak load
- ☞ When combined: 30 l/min (7.9 gpm) peak load