

# Planmeca ActiveAqua™

Pure water without added chemicals



# Clean dental unit water – no added chemicals

## A safe working and treatment environment

*Planmeca ActiveAqua™ is a dental unit integrated water treatment system based on electrochemical disinfection. It purifies the water entering your dental unit without any added chemicals, guaranteeing a safe treatment environment for both the dental team and the patients.*

## Why choose the Planmeca ActiveAqua™ water treatment system?



### Pure water for a safe treatment environment

- Removes microorganisms
- Removes legionella
- Total biofilm control



### Disinfected water without added chemicals

- No ordering, storing or handling chemicals
- No risk of applying the wrong dosage or using the wrong chemicals



### Soft water without extra equipment

- Integrated water softener and particle filter
- Prevents lime scaling and removes particles
- No need to invest in a separate water softener



### A completely integrated water treatment system

- A truly automated and easy-to-use system that requires minimal effort – only regular flushing procedures and a weekly quick check are required
- Everything you need for high-quality water is integrated
- An intelligent system that guides itself independently – controlling water consumption and defining the level of disinfection accordingly
- Easy installation and maintenance



# Pure water automatically

## Easiness with dental unit integration

The **Planmeca ActiveAqua™** water treatment system purifies the water entering your dental unit automatically, without requiring any extra effort. Your daily workflow becomes a breeze, since you only need to perform regular flushing procedures and a weekly quick check for the water treatment system.

### An innovative dental unit integrated water treatment system based on electrochemical disinfection

- The disinfection process takes place inside the dental unit
- The system requires only minimal effort, saving time and resulting in a fluent workflow
- All important notifications, e.g. weekly quick check reminders, are shown on the dental unit's user interface

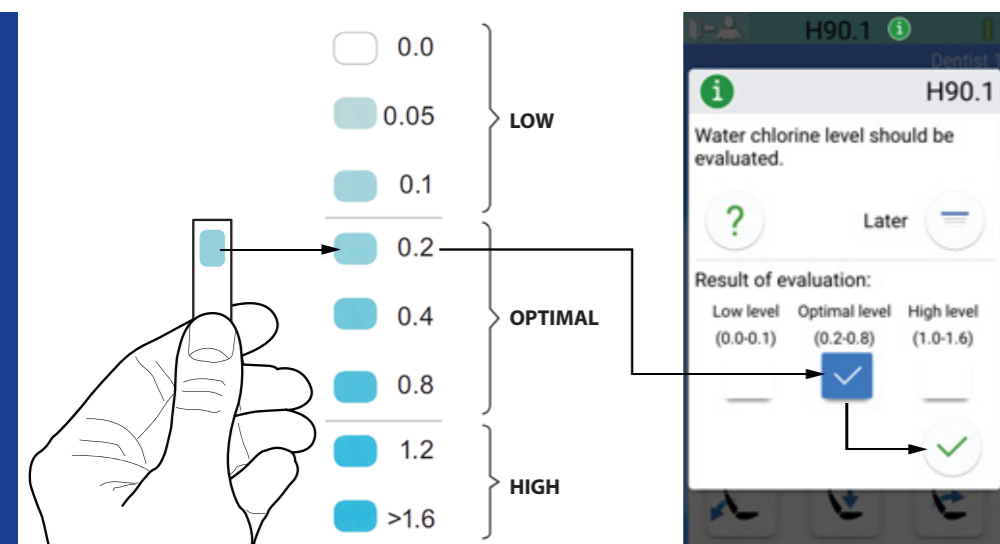
### Maximised uptime, minimised service costs

- Integrated water softener and particle filters: no lime scaling or particles which can cause technical problems in the dental unit
- Retrofits to older dental unit models are possible

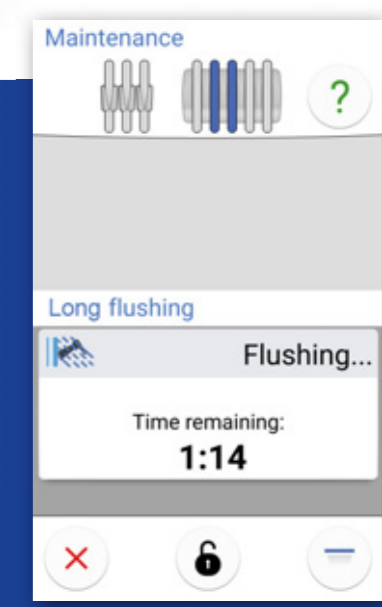
### No need for extra equipment

- Everything you need for high-quality water is integrated in the dental unit
- No need to invest in a separate water softener
- Compliant with the EN 1717 standard of water separation and DVGW certified components

An innovative dental unit integrated water treatment system



- Integrated water softener ✓
- EN 1717 and DVGW compliant ✓
- 100 micron filter ✓
- Active carbon filter ✓
- 1 micron filter ✓
- Ultrafilter ✓



# How does it work?

## An innovative system with patented technology

The **Planmeca ActiveAqua™** water treatment system is based on electrochemical disinfection. The salts in the water are turned into disinfectants through electrolysis. These disinfectants remove microorganisms safely yet efficiently.

### Optimised water treatment process

In addition to water disinfection through electrolysis, the water entering the dental unit is treated in multiple stages. This ensures that the process works properly regardless of water hardness and other parameters which may vary in different locations.

### Electrolysis – a natural process for water disinfection

Electrolysis converts the natural salts in the water into effective disinfection agents by using electricity. This takes place in a patented electrolysis chamber and results in a powerful disinfection process.

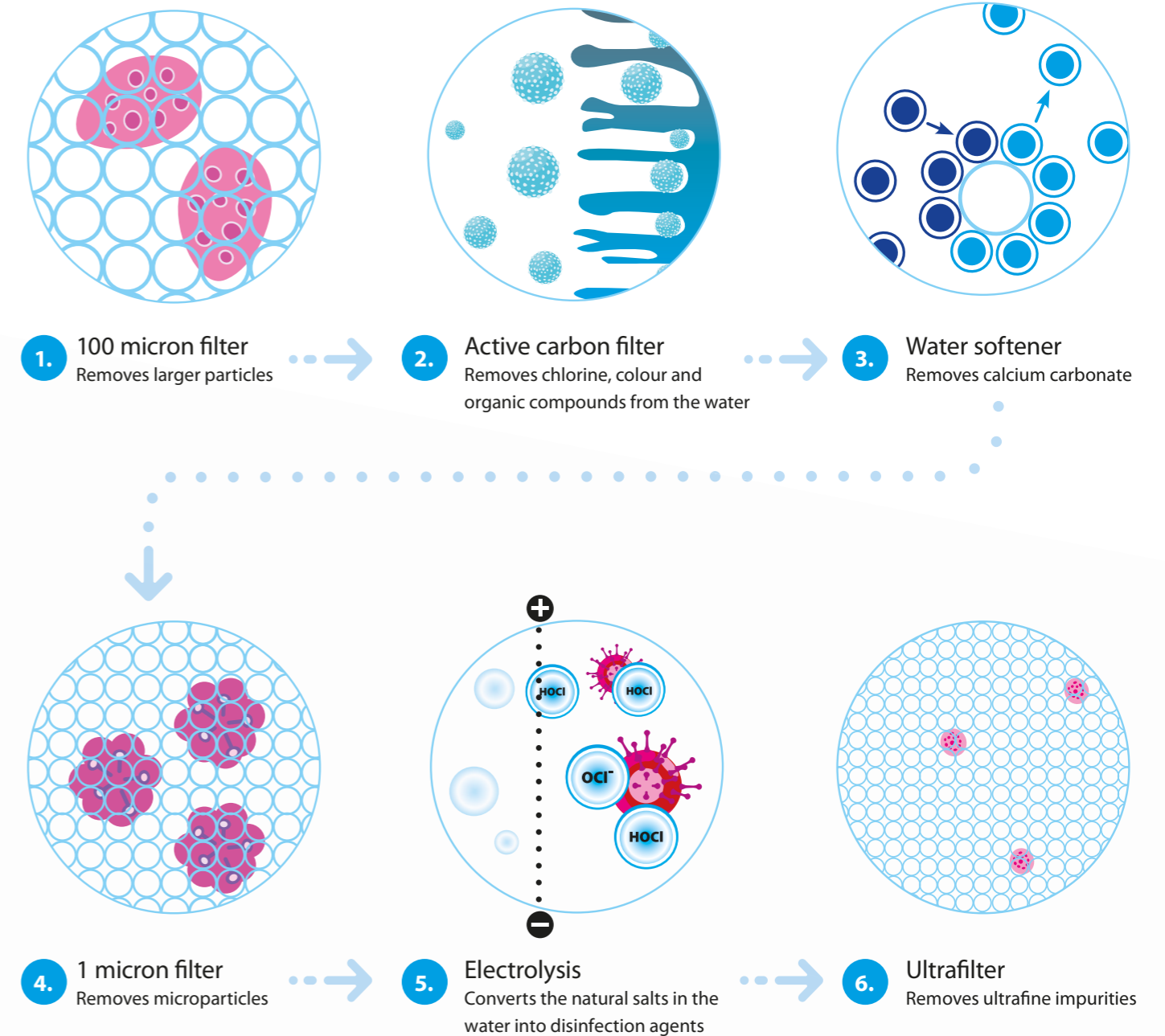
#### Hypochlorous acid (HOCl)

The main disinfectant in the process.

#### Hypochlorite (OCl<sup>-</sup>) and other chlorine-based disinfectants

Optimal disinfection effect: 99,99%\* of all microorganisms are removed

### The Planmeca ActiveAqua™ water treatment process





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