



# CLARIMAX

1200 DM pH+ LED

The sound water filter system for low-salt alkaline heating system make-up water

**elector**<sup>®</sup>  
›Water-Treatment



## CLARIMAX

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### No compromise on the heating water quality!

CLARIMAX 1200 DM pH+ is an advanced water filtration system for the treatment of filling water for modern heating systems, developed and manufactured in Germany by elector in cooperation with BRITA, one of the world leaders in water optimization.

# Why wait for alkaline pH by self-alkalization of the heating water? ““

*CLARIMAX pH+ is the best choice to produce demineralised filling water for the central heating with ideal ph!*



The filling of heating systems with water that has little amount of dissolved salts is a common procedure to prevent damage caused by limestone and corrosion.

Besides the poverty of interfering salts and the resulting low electrical conductivity, the pH of the water is a measure that plays a major role under corrosion aspects.

In the conventional demineralization of water with reverse osmosis or ion exchange resins, the pH is usually at a neutral to slightly acidic level.

The alkaline pH, that is required in the heating, should in these cases be achieved by the so-called self-alkalization, which is an effect that appears at higher temperatures from 60°C due to the loss of free carbonic acid.

However, the result of self-balancing is unpredictable and only insufficiently feasible for heating systems in the low-temperature range.

*Ideal pH already in the central heating filling water!*



Thanks to perfectly matched filter media and targeted flow control, the CLARIMAX pH+ technology offers the advantages of a conventional demineralized water, while the filter system balances the pH in the filling water to an ideal level of 8.2 - 8.5.

The result: a water quality in accordance with the guidelines already in the heating system filling water, reliable and documentable.

*Profit with CLARIMAX for heating water treatment.*

- + Cartridge system, therefore no complex resin handling.
- + Low conductivity and alkaline pH already in the heating filling water.
- + Integrated measurement technology for water quality monitoring.
- + Water without lime and aggressive salts to prevent damage caused by limestone and corrosion.
- + Robust system for mobile and stationary use.
- + Constant water quality over the entire capacity range.

## Quality Monitoring



CLARIMAX 1200 DM pH+ LED offers maximum safety in central heating make-up water treatment.

Compliance with the water quality is permanently monitored by the integrated electronic measuring. The capacity status is signaled by LEDs and an acoustic signal.

The system allows best water quality from the first to the last liter with the simplest operation.

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## Heating Water Treatment

### Technical Details

Operating Pressure..... 2 bar – max. 6,9 bar  
Operating Temperature ..... 4°C to 60°C  
Nominal Flow ..... approx. 300 l/h  
Weight ..... 18 kgs  
Dimensions (Width/Depth/Height)..... 288/255/550 mm  
Connection ..... G 3/4"

### Capacity CLARIMAX 1200 DM pH+ LED

Conductivity in inlet water $\mu\text{S/cm}$	CLARIMAX 1200 DM pH+ Filter capacity in liters
200	1860
400	930
600	620
800	465
1000	372
1200	310

The specified filter capacity refers to a shutdown time of the outlet water from 100  $\mu\text{S/cm}$ .

