

REFERENCE – heating water Biowärme Eferding, Austria



products: CLASSIC 4" (in the bypass)

We heat your home: naturally. clean. renewable.

Today, every single one of us can make a contribution in his area of responsibility and take appropriate measures for reduction of CO2 emissions. The 14 shareholders of Biowärme Eferding are convinced of this and let the words also deeds follow.

During the construction of this heating system, which uses renewable biogenic materials, the treatment of the filling water of the entire plant was of great importance to the operators. The default was that no chemical water treatment should be done to work as close to nature as possible.

EWO devices with their natural water optimization fit perfectly to such an environmentally concept. Finally, the operators were convinced by the implementing installation company and EWO was integrated into the system. After approx. 2 years of operation, the EWO device and the system were checked. The parameters speak for themselves.

The heating water is crystal clear, the values correspond to the specifications of the standard and the installed EWO device works for complete satisfaction of the operators –
without chemistry, without electricity and without follow-up costs.

natural heating water optimization with EWO – very simple!

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type of heat generation: Biogenic heating system – wood chip heating
total amount of water: approx. 100.000l
heating power: 1x 2.800kW; 1x 1.200kW
buffer tank: 2 pieces

test results	drinking water	heating water
total hardness [°dH]	16	0,5
pH-value	7,5	9,39
conductivity [µS]	589	541
Redox-value [-mV]	176	103
iron [mg/l]	-	<0,05
chlorides [mg/l]	-	42
temperature [°C]	22,7	21,2
odor	neutral	neutral
color	clear	clear
sediment	-	none



Although the filling water of the plant was softened to the required value (0.6 ° dH) according to ÖNORM, no further chemical treatment was carried out. The conductance is a bit too high, but can be explained by the slightly higher chloride content (water softening by means of an ion exchanger system).

The EWO device is installed professionally and in the right place. The installation in the bypass was not possible otherwise and is sufficient for optimal effect.

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