

## REFERENCE – drinking water, heating/cooling system organic farm Achleitner



Products: drinking water: CLASSIC 6/4",  
well water system: CLASSIC 5/4"  
heating system: CLASSIC 1"  
cooling system: CLASSIC 1"  
supply for ground water heat pumps: CLASSIC 3"

*„...we therefore have EWO devices in the main line of the drinking water supply,  
in the heating system,  
into the well water system,  
in the cooling system and  
be installed in the supply line to the groundwater heat pumps.“*



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**type of heat generation:** ground water heat pumps  
**total amount of water:** approx. 8.000l  
**heating power:** 1x 41kW; 1x 50kW  
**cooling power:** 63,5kW

test results	filling water	heating system after 5 years	cooling system after 5 years
unit type	CLASSIC 6/4"	CLASSIC 1"	CLASSIC 1"
total hardness [°dH]	16	3,5	3,2
pH-value	7,45	8,42	8,21
conductivity [µS]	612	442	439
Redox-value [-mV]	185	139	151
nitrate	<20	-	-
iron [mg/l]	-	0,05	0,03
chlorides [mg/l]	-	19,8	14,6
temperature [°C]	24,5	22,2	22,6
odor	neutral	neutral	neutral
color	clear	clear	slightly yellow
sediment	-	none	few flakes
oxygen saturation	-	-	-

These two systems have been running smoothly for over 5 years.

The values determined are broadly in line with the standards recommended in the standard.

Thus, in these systems, even if no chemical water treatment has been made, it is to expect low-maintenance and good function.

This proves once again, that a chemical treatment of the heating or cooling water is not mandatory for an unproblematically functioning of such systems. Natural water treatment, such as EWO's cost-effective products, also provide the desired low-maintenance, environmentally friendly operation of such systems.

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