

Sludge problem eliminated

AquaKat cleans heating system

In January 2008, a geothermal heat pump system was installed in the Boslet family home in Berlin. Because of sludge in the heating water (caused by magnetite deposits from steel radiators and iron pipes) there was a real danger that the new heat pump system could be damaged and potentially fail prematurely. Even after the system was refilled with fresh water, the same symptoms of sludge reappeared after a few weeks. As a result, a Penergetic ThermoKat device was installed in the heating cycle on 09.05.2008.

To everybody's amazement the water became totally clear after being in the system for just six weeks and appeared at least visually, almost equal to drinking water. AquaKat L water vitalisation devices were also installed onto the war and cold water systems to fully benefit from the limescale stabilisation properties in order to protect the water heater, toilet bowls, sinks and appliances as well as to improve the water's taste.



Heating water sample 09.05.2008



ThermoKat installation on the heating pipes directly after the boiler



Heating water sample 26.06.2008
The heating water has become clear after approximately 7 weeks



Additional installation of Aquakat L for revitalisation on warm water pipe after water heating device (top of picture)



Installation of AquaKat L on cold water pipe after back-washing filter