

# EXPERIENCE WITH THE AQUAKAT® ON DAIRY FARMS

Here is some information on using the AquaKat in a dairy farm. PENERGETIC has acquired extensive experience with using the AquaKat on dairy farms. Drawing upon over 25 years of AquaKat use in Europe, AquaKats have been installed in over forty dairy farms in North America to improve the quality of water.

Among other things, the AquaKat stabilizes hard water, addresses iron and/or manganese in the water, can eliminate hydrogen sulphide (a rotten egg smell) and makes the water taste better. Liking the enhanced quality and taste of AquaKat water cows tend to drink more water and it is healthier for them. Records indicate that on farms where an AquaKat has been installed milk production has increased by 1.0 to 3.0 lbs. per cow per day. Milk quality may also improve and there can be a reduction in detergents associated with clean-up operations (e.g. milk parlour).



The XL AquaKat has a capacity of 1,600 gallons (6,000 litres) per day and the XXL AquaKat has a capacity of 8,000 gallons per day. Based on an average usage calculation of 26 gallons (100 litres) per cow per day, one (1) XL AquaKat is required per 60 cows and an XXL AquaKat can service 300 cows. Multiple AquaKats can also be arranged in series – for instance a 900 cow dairy could use three XXL AquaKats. Usually, in a dairy setting, when an AquaKat is installed, the difference in water quality is noticeable within 30 days and after three months the AquaKat achieves (and retains) maximum effectiveness.

With respect to wash water in the milk parlor, farmers claim that using AquaKat water makes clean up after milking much easier and it is possible to cut back on detergents. In cases of hard water, AquaKat installation can prevent a lime build-up on a plate cooler (or other equipment) and prevent an in-line filter from becoming clogged. Also, in the case of water from a groundwater source, PENERGETIC W (for groundwater) powder can be used in the water storage tank to improve water quality and prevent algae/biofilm build-up – including caused by iron and manganese bacteria. Contact your PENERGETIC distributor for details.

There are several good articles in the PENERGETIC book ([A Vision Becomes Reality](#)) on the AquaKat. Among other side benefits, the AquaKat water also tends to improve the efficiency of the manure treatment process (or in a household setting the functioning of a septic system).

The AquaKat comes with a money back guarantee, which can be longer for the larger devices, to ensure user satisfaction. There is also a five-year warranty on workmanship and the first units, installed over 25 years ago, are still in use today.

For more information on the AquaKat visit the AquaKat webpage on the [www.penergeticsolutions.com](http://www.penergeticsolutions.com) website or [www.aquakatwater.com](http://www.aquakatwater.com). Whereas, to discuss the suitability of installing an AquaKat at your farm (or house) contact PENERGETIC SOLUTIONS (1-888-737-0907 or Justin Henson at (360) 348-2929).