



AquaKAT[®]

Frequently Asked Questions

in english



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Chapter 1 Overview of the AquaKat:

1. What is the AquaKat?

Water loses much of its vitality during chemical and technical treatments, as well as when under pressure, while being transported, and by sitting for long periods of time in pipes. The AquaKat restores the original vitality of water. The device is designed to revitalize water in homes, apartments, wells, commerce, agriculture, and industry, and even comes in a mobile version for use on the go.

2. How does the AquaKat work?

The AquaKat is a physical impulse generator that transmits a programmed frequency pattern to water. The action of the device is based on the principle of resonance. The water reacts and can store or process the frequency pattern. Among other things, the AquaKat transmits the frequencies of high-quality spring water, oxygen, and minerals to the water, which in turn influence the behavior of the water molecules (clusters). This process structures and vitalizes the water.

3. What are the benefits of the AquaKat?

The AquaKat allows for limescale and other deposits to be removed more easily, modifies the process of crystallization, provides for fresher-tasting water, and increases the solubility of substances (lime, iron, and chemical substances such as additives).

4. How much water can be treated with the device?

AquaKat S	100	litres per day, attach the device to the water point or use on the go
AquaKat M	950	litres per day, with a maximum pipe length of 20 m
AquaKat 1"	2'000	litres per day, with a maximum pipe length of 60 m
AquaKat L	3'000	litres per day, with a maximum pipe length of 80 m
AquaKat 2"	12'000	litres per day, with a maximum pipe length of 180 m
AquaKat 8+	(see question 8 below)	

If more water is used or the pipe exceeds the maximum length, then more AquaKats must be installed.

5. Where can the AquaKat be used?

The AquaKat can be used in homes and apartments. It can also be used in wells, as well as for industry and agriculture. The AquaKat can be installed on a wide variety of „water points.“

6. How and where is it installed?

The AquaKat is installed with a fastening clamp on the main water supply pipe behind the water meter, the pressure regulator, and any possible filters. Special care should be taken to ensure that no strong sources of electro-magnetic interference are located in the immediate vicinity. A piece of pipe is also required for the installation, which will vary depending on the size of the AquaKat. It is not necessary to hamper with the pipe network. The pipe should be clean and free of rust and dirt.

7. Can problems arise during use?

If the water pipes are extremely old, they can become leaky during the decomposition of the lime (e.g., due to existing hairline cracks). The AquaKat should not be used with old lead pipes.

8. AquaKat 8+ output

AquaKat 8+	AquaKat 8+ plus
175m ³ / day	3 Module 1'000m ³ / day
with a max. pipe length of 800m	with a max. pipe length of 1'400m
AquaKat 8+ plus	AquaKat 8+ plus
1 Modul 350m ³ / day	4 Module 1'500m ³ / day
with a max. pipe length of 1'000m	with a max. pipe length of 1'600m
AquaKat 8+ plus	This list is not exhaustive,
2 Module 600m ³ / day	for in theory, the AquaKat 8+
with a max. pipe length of 1'200m	can be expanded infinitely.

9. Is the AquaKat harmful to humans, animals, or the environment?

No, the AquaKat is perfectly safe for humans, animals, and the environment.

Chapter 2 Use of the AquaKat:

2.0 Can something delay or impair the functionality of the AquaKat?

Strong electrical and magnetic sources affect the functionality of the AquaKat. If there are large electrical appliances in the room, use a measuring device to measure the electromagnetic load at the installation point. Electromagnetic fields should not exceed 200 nanotesla. Plastic pipes are more inert conductors than metal pipes. If the AquaKat is installed on a plastic pipe, there will be a small delay before it works.

2.1 I have hot and cold water pipes. Should I install an AquaKat on each pipe, or can the pipes be connected by the device? Will this have an impact on the performance of the device?

Ideally, a separate AquaKat should be installed on both the cold and hot water pipes. The AquaKat S can be installed on individual points (e.g., taps).

2.2 Can an earthing cable interfere with the AquaKat?

Yes, if there is leakage current in this cable. In such a case, you can apply insulating tape to the piece of pipe upon which the AquaKat clamp is mounted. We also recommend sticking a „Phone Chip“ on the AquaKat, as this can reduce the electrosmog effect.

2.3 Can I use a reverse osmosis filter with the AquaKat?

Yes. To revitalize the water, the AquaKat must be installed behind the reverse osmosis filter. Installing the AquaKat behind the filter will also help to improve the taste of the water.

2.4 A UV filter is used in my pipes to kill bacteria. Will this affect the AquaKat?

A UV filter can significantly reduce the effectiveness of the AquaKat, which means it may be necessary to add another AquaKat. The second AquaKat must be installed behind the UV filter.

2.5 According to the description, deposits can come loose in the pipe. Will these deposits end up in my drinking water? Will I need to install a filter??

Old deposits are usually removed as large plates that get stuck in the aerator (strainer). In the short term, the fine, redissolved lime particles increase the hardness of the water. The limescale is dissolved in small quantities and over a long period time, which means there is no risk of these deposits ending up in your water. An additional filter is not necessary.

2.6 How much does the water hardness level drop after installing the AquaKat?

The hardness level remains the same, and can even increase slightly over a certain period of time if the minerals on the pipe walls redissolve. The AquaKat is not a descaling device. However, after installing the AquaKat, the water will seem much softer.

2.7 What is hardness stabilization? What happens to the lime?

Hardness stabilization is a physical process in which the crystallization of water molecules is modified in such a way that the crystals no longer form chains or lumps. As a result, the crystals also no longer develop into lime or limescale. The AquaKat does not stabilize the hardness of water.

2.8 How can I make sure the AquaKat is working properly?

For one thing, lime deposits will be much easier to remove.

2.9 Can the effectiveness of the AquaKat fluctuate?

Fluctuations in the effectiveness of the AquaKat are usually caused by the following:

- Changes in the quality of the water
- Electrical devices being switched on and off near the AquaKat (sources of interference)
- Becoming accustomed to the benefits
- Formation of deposits between the fastening clamp and the pipe (these deposits must be removed)

If these fluctuations occur frequently, please contact your retailer for assistance.

2.10 Can small children drink the tap water once the AquaKat is installed?

It depends entirely on the quality of the water that is supplied. The AquaKat is not a replacement for a filter, nor does it purify contaminated water.

2.11 Can the AquaKat be installed such that it touches two pipes? If not, how else can it be installed?

Yes, in principle this is possible. However, it is better to connect the two pipes with a sheet of metal and install the AquaKat in front of this connection or on the connection itself. Special care must be taken to ensure that the capacity of the AquaKat is not impaired (or exceeded) by this installation.

2.12 Can the AquaKat be leaned against the wall?

No, the AquaKat must be mounted „freely,“ either hanging from or sitting on the pipe.

2.13 Does the AquaKat have to be installed in a particular direction?

No, any direction will do.

2.14 Can an AquaKat be installed on a hot water (heating) system?

Yes. Simply install it on the pipes of the heating circuit, behind the circulation pump. Benefits: active water, improved thermal conductivity, less sludge, fewer deposits on thermostats and therefore more energy saved.

2.15 How important is the pipe material?

The AquaKat works with all pipe materials. However, it is most effective with stainless steel. With plastic, its benefits can be slightly delayed.

2.16 Can the AquaKat be used to vitalize swimming pool water?

Yes, the „AquaKat Pool“ is specially designed for use in swimming pools. The AquaKat Pool is installed on the circulation pipe. An additional AquaKat can be installed on the main water supply, depending on the amount of water in the pool.

2.17 How many AquaKat Pools will I need for a swimming pool?

It depends on the amount of water that is exchanged on a daily basis. However, each pool should be assessed individually.

2.18 Can I do away with chlorine?

Public areas are subject to laws and regulations. However, you may still be able to reduce the amount of chlorine that is used in the pool. As long as you continually monitor the situation, it is possible to optimize the amount of chlorine.

2.19 Can the AquaKat be used on an air conditioning system?

Yes, but the local conditions (pressure/temperature) are decisive for determining which AquaKat to use.

2.20 Can the AquaKat be used in industrial systems?

The AquaKat comes in a variety of different versions. As a result, you can select the best device for both domestic and industrial uses (see question 5, chapter 1).

2.21 Does the AquaKat also help with problems related to legionella?

In the event of problems with legionella, sanitation (thermal or chemical) must precede all other measures. The use of an AquaKat is only recommended after the sanitation and subsequent inspection are complete. The pipes (especially hot water pipes) must be flushed regularly, and the filter systems cleaned and maintained.

2.22 I already use PENERGETIC products. Do I need an AquaKat? If so, can I modify the doses of the other products?

PENERGETIC products work together. Water is the most important component. An AquaKat can improve the effectiveness of other PENERGETIC products, and thereby the quality of the vitalized water.

2.23 Do I need to pay attention to anything in particular if a trace heating cable is installed on my heating system?

Trace heating cables are attached to water pipes and heated with electricity. They prevent water in pipes from overcooling. If a trace heating cable is installed, then the AquaKat must be installed between the boiler outlet and the beginning of the trace heating cable. The electrical wires and the trace heating cable must NOT pass through the AquaKat. You must also ensure that there is around 20 cm (8 in) of space between the beginning of the cable and the AquaKat.

Chapter 3 Product details:

3.1 Does the AquaKat come with a warranty?

The AquaKat comes with a 30-day cooling-off period and a 5-year warranty for workmanship and materials.

3.2 How long does the AquaKat last?

If installed correctly, the AquaKat will have a service life of many years.

Chapter 4 Case studies:

4.1 There is no room to install the AquaKat, as the outgoing pipes flow directly into the individual living areas. Where should I install it?

- Install it on the water meter connection.
- Install it on the first outgoing pipe, as close to the main pipe as possible.
- Attach a bracket to the main pipe for the AquaKat.
- During the test phase, the AquaKat can be strapped to or placed lengthwise on the pipe. Please contact your retailer if you need a thinner fastening clamp.
- Embed a piece of pipe into the pipe for installing the AquaKat.

4.2 I am not allowed to install anything on the main pipe in my apartment. How can I use an AquaKat??

You can attach an AquaKat to the branch pipe, or if possible, to the inlet of the supply pipe into your apartment. If space is tight, then you can use the AquaKat S on any water point. Depending on your needs, this AquaKat can be installed in the bathroom, in the kitchen, by the washing machine, or under the sink. Ideally, however, an AquaKat should be installed on both the hot and cold water pipes.

4.3 My AquaKat works well, but there are still hard deposits in my pressure cooker and kettle. Why?

Pressure cookers work at temperatures of up to 100°C (212°F) and extremely high pressure. Under these conditions, lime begins to form again as limescale. Residual water is often left in kettles and boiled again. However, the effects of the vitalization fade over time. As a result, this „older“ water and lime form deposits which, if not cleaned, will build up over time.

Kettles must therefore be emptied completely and rinsed after use. ausspülen.

4.4 No noticeable difference after 2 weeks?

Start by asking yourself the following questions:

- Where and how was the AquaKat installed?
- What were your expectations?
- Are there sources of interference and/or other devices near the AquaKat?

The amount of water, the quality of the water, and the pipe material can affect the effectiveness of the device. We recommend removing the AquaKat, addressing the above-mentioned questions, and reinstalling the AquaKat a week later—possibly with a second AquaKat.

4.5 My AquaKat has stopped working after just two months!

Here too, start by asking yourself some questions:

- Are there any new devices near the AquaKat?
- Have changes been made to the water supply (inquire with the water company regarding potentially new equipment, different mixtures, etc.)?
- Is the AquaKat properly attached, or has it fallen?
- Have deposits formed?
- Are larger quantities of water being processed (beyond the capacity of the AquaKat)?
- Have you already become accustomed to the good quality?
- Is the structure of the lime different?

If in doubt, remove the AquaKat and reinstall it 2 weeks later.

4.6 The water is suddenly brown. Why?

Lime and other substances such as iron (rust) have dissolved back into the water. If this happens, the pipe should be (thoroughly) flushed more often.

4.7 The aerators and strainers are clogged

Unscrew the aerators and remove any loose deposits.

AquaKAT®

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