

AQUAKAT[®]

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Explanatory notes

Take advantage of biostimulation with Penergetic for natural structured water

The AquaKat is a physical impulse transmitter (sender, catalyst), which forwards a previously programmed frequency pattern on to the water. The effect of the device is based on the principle of resonance. The water responds to frequencies and can store or process those. The inner part of the AquaKat transmits the programmed information of natural, high-quality spring water, oxygen and minerals to the water, making it come into resonance and affecting the molecular behavior (cluster) of the water. Through this process the water can be restructured and so called vitalized.

Benefits

In general

- Beneficial to humans, animals and plants
- Water tastes better
- Better assimilation of water
- Lime and other deposits are easier to remove
- Less effort when cleaning
- No installation costs & maintenance-free
- No energy consumption – neither magnetic nor electric
- No interference with water pipes

In livestock

- Increased water intake
- Additives dissolves better
- Reduced contamination of drinkers
- Supports sustainability

In plant cultivation

- Better nutrient uptake
- Stronger plant growth
- Contribution to increased yield
- Reduced fertilizer use
- Supports sustainability

The AquaKat changes the water in such a way that the water molecules in combination with the chemical ingredients create small water-cluster structures "hexahedrons" (like snowflakes). These water clusters transport the ingredient better into the metabolic system of the organism, which makes chemical agents even more effective. This could lead to a considerable reduction of spraying agents.

In industry

- Optimization of additives – cost savings
- Reduced need for cleaning, shorter downtimes
- Maintenance free
- Also works in stagnant water
- Environmentally friendly and sustainable

Product data

Two factors need to be taken into account when choosing a suitable device: daily water consumption and the pipe length to the tapping point. If either factor exceeds the stated figures, the next higher AquaKat model should be installed.

AquaKat S (5200)	Single taps, shower, mobile use (hotel, camping,...) Capacity: 100 liters / day Fit directly to the tapping point
AquaKat M (5210)	Apartments, vitalization of hot water Capacity: 750 liters / day Pipe length: 20 m
AquaKat 1" (5260)	Apartments and small family houses, vitalization of hot water Capacity: 2,000 liters / day Pipe length: 60 m
AquaKat L (5220)	One- or two-family houses, cold water vitalization, small-scale commercial use Capacity: 3,000 liters / day Pipe length: 80 m
AquaKat XL (5230)	Apartment buildings, medium-scale, commercial use Capacity: 6,000 liters / day Pipe length: 120 m
AquaKat 2" (5250)	Multi family house, apartment buildings, large-scale, commercial and industrial use Capacity: 12,000 liters / day Pipe length: 180 m
AquaKat XXL (5240)	Apartment buildings, commercial and industrial use Capacity: 30,000 liters / day Pipe length: 240 m
ThermoKat L (5110)	For closed heating systems in houses or apartments Capacity: 1,500 liters / day Pipe length: 70 m

AquaKat 8+ (5500) This is a modular device intended for industrial and agricultural use.
The standard modules (5510) can be combined as required.

Standard device AquaKat 8+

Capacity: 175,000 liters / day

Pipe length: 800 m

AquaKat 8+, +1 module

Capacity: 350,000 liters / day

Pipe length: 1,000 m

AquaKat 8+, +2 modules

Capacity: 600,000 liters / day

Pipe length: 1,200 m

AquaKat 8+, +3 modules

Capacity: 1,000,000 liters / day

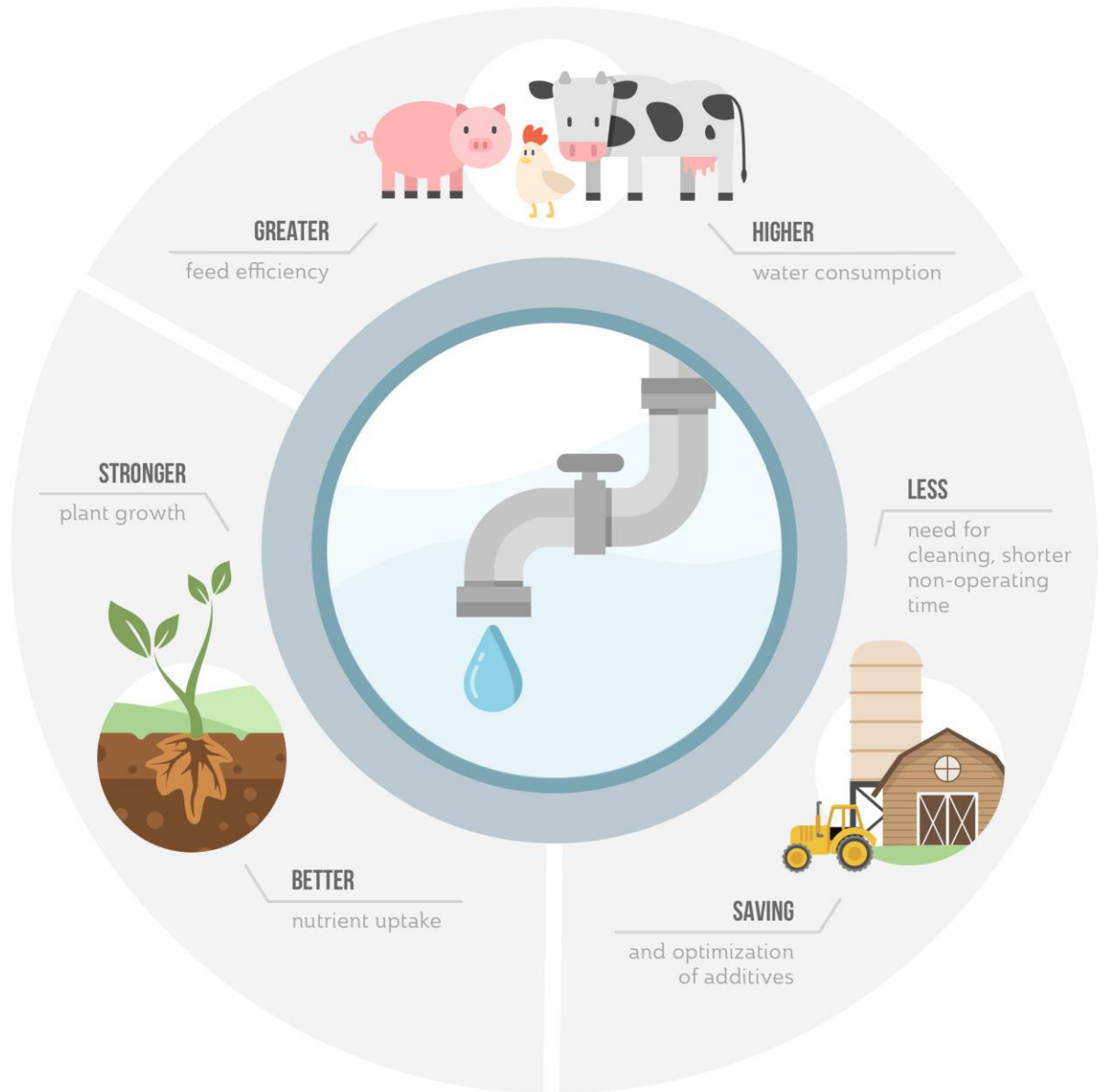
Pipe length: 1,400 m

AquaKat 8+, +4 modules

Capacity: 1,500,000 liters / day

Pipe length: 1,600 m

Mode of action – for agricultural and industrial use



Mode of action – for domestic use



Installation

- Pipe material:** The AquaKat can be mounted to all types of pipe materials with the exception of lead.
- Pre-Installation:** Basic principle: "First sanitize, then vitalize!" When germs and bacteria strains (e.g. Legionella) are present, we recommend sanitizing the entire system before mounting an AquaKat.
Before installing descale / clean all aerators (faucet aerators) and shower heads. Remove any old lime deposits from bathtubs, showers, sinks, tiles, faucets, coffee machines, cookers, etc. When lime dissolves in old water pipes, hair cracks can cause the pipes to leak.
- External factors:** Electromagnetic fields (>200 nanoteslas) near the AquaKat may interfere with / reduce the effect. If in doubt, we recommend having it measured and, if necessary, take countermeasures (potential equalization, earthing via ground spike or, if applicable, shielding measures (Svitec products)). Plastic pipes are slower conductors (frequency transmitters) than metal pipes. If the AquaKat is fitted to such a plastic pipe, a slight delay can be expected before its effects take hold.
- Installation:** The AquaKat should be installed down-line from the water meter and the pressure-reducer. In the apartment it should be fitted under the sink, on the shower hose or the cold water pipe. It is not necessary to make any modifications to the pipe grid. The pipe should be clean and free of corrosion. The device must be free standing or hanging from the pipe. It should not touch the wall.

Do not stick anything to the AquaKat and ensure there is no direct contact between the AquaKat type 1", 2" and 8+ and the pipe, wall or floor. The distance between the pipe and the AquaKat must be as small as possible – suitable mounting material is included in the packaging.
- Required space:** A free length of pipe is required for fitting the AquaKat, depending on the size of the device, max. 20 cm.

After installation: The revitalized water can release / discharge lime at different intervals. It is therefore recommended to flush the pipes 4 to 6 weeks after the installation.
Do not mount the AquaKat on lead pipes.

Warranty: 5 years on workmanship and material.

For more information please contact us

Recommendations

The AquaKat can be used in private homes, flats and apartments as well as in restaurants, agriculture and industry.

Our recommendations depend on the actual local conditions, it may be **necessary to combine different devices, depending on water consumption, pipe lengths, water hardness, water pressure, space around the pipes etc.** Maybe there isn't enough space for one AquaKat 1" so you may change the recommendation of two AquaKat M.

Application area	Recommendation	Mounting tips
Single tap	AquaKat S	Use the Velcro to attach the AquaKat to the tap or the water pipe.
Apartments	2x AquaKat 1"	Mount the AquaKat's to the hot and cold water pipes.
	In apartments washing machines are often placed away from the living area (basement). Here, it is advisable to mount an AquaKat S (depending on water hardness) to the water supply of the washing machine.	Mount the AquaKat to the water pipe to the washing machine.
Single-family house	1x AquaKat L & 1x AquaKat 1"	Mount the AquaKat L to the cold water pipe down-line from the water meter or filter system; the AquaKat 1" on the hot water pipe down-line from the boiler.
Two-family house	2x AquaKat L or 1x AquaKat 2" & 1x AquaKat 1"	Mount one AquaKat L or AquaKat 2" to the cold water pipe down-line from the water meter or filter system; one AquaKat L or AquaKat 1" to the hot water pipe down-line the boiler.
Multi-family houses	Type and number of devices depend on local conditions	

Application area	Recommendation	Mounting tips
Closed heating system in apartments or houses	ThermoKat L (Number depends on water volume and pipe length)	Mount the ThermoKat down-line from the heating pump.

Application area	Recommendation	Mounting tips
Agriculture and industry	AquaKat 8+ Additional modules depending on local conditions	See brochure AquaKat 8+

Information about vitality

Certain factors may adversely affect water vitality:

Pressure	Pressure and pumping of water affects its vitality. It destroys the natural structure. This happens when water is transported in pipes and particularly in industrial processes.
Heating	Dissolves the hydrogen bonds. Once the water cools down they form it again. This does not always happens, especially in pipes or under pressure.
Chemicals	Addition of chemical substances (chlorine, etc.)
Filters	Filtering (carbon, reverse osmosis, etc.)
Electro-smog	Electric and electromagnetic fields have an influence on the vitality of the water.

Important!

Vitalization is not just a matter of quantity, volume or flow rates. It also depends on many external conditions and factors. Even with water that is, for example, used as process water for industrial purposes, it is possible to vitalize a large amount of water, also under unfavorable external conditions (pressure, heat, electromagnetic fields). The revitalization impulses should, if possible, be implemented after external influences.

When developing the AquaKat series, attention was paid to ensure the output capacity of the devices was adapted to their respective areas of application.

However, a formula cannot be created strictly based on water quantities, pipe lengths and pressure conditions. The aforementioned values are guidelines.

One way to maintain vitality is to repeat the impulses regularly (e.g. after a certain distance (AquaKat L for 80 m of pipe) or after impacts from filtering, heating, dosing systems, valves, etc.).

Water revitalization is not a “cure-all”. With revitalization and structuring no substances are removed from the water. If the water is contaminated or contains harmful ingredients, we strongly advise to have them removed (with filters, reverse osmosis, precipitation, etc.). After having been purified in this way, the water can be restored to its original spring water structure and vitality with the AquaKat products.

Maximum water pressure

The AquaKat can vitalize water up to a pressure of 16 bars. It will not work if the water pressure exceeds this value.