

**Limescale,
this is your
20-minute
warning**

**Água
King**
Electronic
Water Softener

**Installation,
operation &
maintenance
instructions**

AK-G2
**for a
beautiful
garden**

AK-G2



Description

The ÁguaKing AK-G2 unit is specifically designed to be installed outdoors in an exposed environment where it could be subject to direct sunlight, rain, snow and other weather conditions. The unit is fully waterproof but the power transformer is only rated for indoor use so needs to be protected from the weather.

The unit has two pairs of aerials colour coded black and white. The 4.8m aerials will allow at least fifteen wraps around a 75mm diameter pipe.

The signal generated by the aerials travels through the water regardless of whether the water is flowing or not. The signal travels both upstream and downstream of the unit.

Installation

Location: When selecting a location for the device the following points have to be considered:

- **The aerials occupy between 300mm and 380mm of pipe.**
- **Do not install the unit before a pump or booster set.**
- **Any earth bonds must be upstream of the unit.**
- **Avoid installing on flexible pipes.**

Fixing the Control Box: The control box should be installed within 450mm of the pipe being treated. It can be hung from pipes, support brackets or installed on a wall. The unit is supplied with two plates that can be attached to the backplate.

Aerial Winding: The four aerials are arranged as two pairs. Each aerial of each pair must be wrapped in opposite directions from a central point. When facing the pipe, one aerial should start by passing behind the pipe and the other should pass in front of the pipe. Secure each end of the aerial with the zip ties provided.

Repeat the process with the other pair of aerials.

Try to leave a gap of 25mm between each aerial. You can wrap the aerials either side of a “T” junction or elbow, on a horizontal or a vertical pipe.

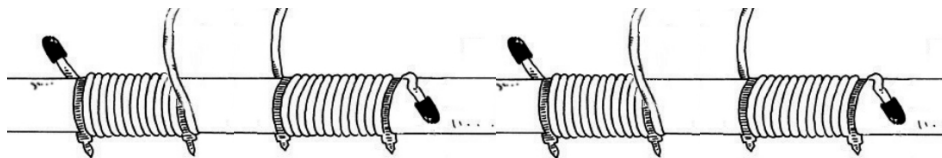
Do not allow gaps between wraps or between the aerials and the pipe. Wraps must be tight and close together like a closed slinky.

Make as many wraps per aerial (a minimum of 15) as the wire permits.

You do not need to have the same number of wraps on all aerials.

If there is going to be surplus aerial wire, ensure it is at the end with the cap rather than the end with the plug. Surplus aerial wire can be cut off.

DO NOT GROUND ANY AERIAL TO THE PIPE



When you have finished, the pipe should look like this.

Power Supply: The units are supplied with an external USB transformer, and 2.1m power cable. The input power supply is 5 Volts.

A heat shrink sleeve is provided to go over the plug and socket. Use a hair drier or heat gun to shrink the sleeve to provide a fully water proof connection.

The total length of the power cable is 2.7m. If required extra cable can be spliced in by an electrician, or a USB extension cable can be purchased. In both cases the connection can be protected by the waterproof heat shrink sleeve provided. Both the transformer and the USB power supply must be protected from weather. To protect the plug/socket from damp and rain, use the heat shrink tube supplied. Slide the heat shrink sleeve over the plug, connect it to the socket and use a hair dryer to shrink it into place.

Commissioning

To commission the unit plug it in and switch it on. The central light will light up to indicate it is receiving power and the two side lights will flash indicating power to the aerials.

Maintenance & trouble shooting

Once installed, the AK-G2 requires no maintenance. The extra guard chip built into the unit will reset the system automatically if the program is upset by a power spike.

If the unit stops working, check first that the power supply to the transformer is functioning by plugging another appliance or lamp into the outlet and seeing if it works. If the transformer is cold that means it has failed. Contact us for a replacement.

If the unit still fails to work, or you are not happy with the results, before you do anything else contact our plumbing specialists at Probuilders on +351 968 318 425 or email help@aguaking.pt

Please do not remove the unit before contacting us. Very often the problem is very simple to resolve over the phone or by email.

CE

5-year manufacturer's warranty

If your ÁguaKing suffers any manufacturing defect during the first five years after purchase you can return the product and we'll replace it.

(Details of how to claim below)

100-day money back guarantee

If you are dissatisfied with your ÁguaKing product, you may return it at any time during the first 100 days after purchase and we'll give your money back

(Details of how to claim below)

**Água
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Please send the product properly boxed and wrapped with proof of purchase to
ÁguaKing Portugal
Rua de Mar e Guerra nº75
Braciais, Faro
8000-424 Portugal

ÁguaKing Portugal cannot accept responsibility for consequential loss as a result of the performance of the unit.

ÁguaKing Portugal is the sole marketing agent and distributor for Lifescience Products Ltd in Portugal.

Lifescience Products Ltd are experts in chemical-free water treatment technologies, with a global reputation for providing the very best in environmentally friendly, hard water treatment solutions.

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