

PLUG / TRANSFORMER UNIT

Plug in the transformer and switch on the power supply. The LED on the unit will flash, indicating that the unit is powered up and that the program is sequencing through the range of frequencies.

To protect the plug/socket from damp and rain, use the heat shrink tube supplied. Slide the heat shrink sleeve over the plug/socket and use a hair dryer to shrink it into place. This process will take a few minutes to generate enough heat.

If you wish to unplug the power cable again, you will have to cut the sleeve away, carefully avoiding cutting the cable.

HOW THE UNIT WORKS

Once the unit has been installed correctly on the pool circulation system it will pass an electronic signal into the water which causes the calcium ions to precipitate in suspension in the water instead of on the surface of the pool.

Existing scale will also be removed over a few weeks and any staining will disappear with it.

MAINTENANCE & TROUBLE SHOOTING

The Aqua-Rex needs no maintenance or servicing but do check occasionally to see that the LED light is flashing.

If the Aqua-Rex 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 unit still fails to work, before you return it to us, call your local supplier for advice or contact us by email sales@aqua-rex.com or phone us.

5 Year Manufacturer's Warranty

Aqua-Rex LLC Guarantees that it will replace the WK1P unit should it suffer from a manufacturing defect during the first five years after the date of purchase. The unit should be returned to the dealer properly boxed & wrapped together with the invoice.

100 Day Money Back Guarantee

If, for any reason whatsoever, you are dissatisfied with your Aqua-Rex product, you may return it at any time during the first 100 days after purchase and the purchase price will be reimbursed in full. Simply return it to wherever it was purchased, together with your full name and address and proof of purchase, showing the price paid.

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INSTALLATION , OPERATING & MAINTENANCE INSTRUCTIONS

AQUA-REX WK1P FOR SWIMMING POOLS

Aqua-Rex is the brand name used in the United States of America for products sold elsewhere in the world under the name Water-King.

The WK1P is fully waterproof so it can be left outside exposed to rain. The antennas and power supply are directly wired to the control box and cannot be removed from the unit. The circuit board is fully encapsulated in epoxy resin.

The Power Supply Transformer is only rated for internal use and must not be allowed to get wet. It must be protected in the same way as a normal home internal plug.



GENERAL

The Aqua-Rex WK1PP is designed specifically for use on swimming pools. It will reduce the amount of scale deposits that occur around the waterline. By removing the scale from the tiles or liner, any staining that is retained by the scale will also disappear.

It will reduce scale in the filter so the sand is free to act more effectively.

It will help chlorine or other biocides to be more effective so that the amount used can be reduced for the same effect.

It may also help reduce dissolved solids by encouraging them to precipitate into suspended solids which can then be removed by the filter.

LOCATION

The unit should be installed as close as possible to the pipe. It will operate on any type of pipe material, including corrugated and plastic up to 2" diameter.

A pump will cause electromagnetic interference with the signal generated by the Aqua-Rex and installation immediately

before a pump must be avoided. The optimum location is after the pump and before the sand filter, heater and any other treatment system.

POWER SUPPLY

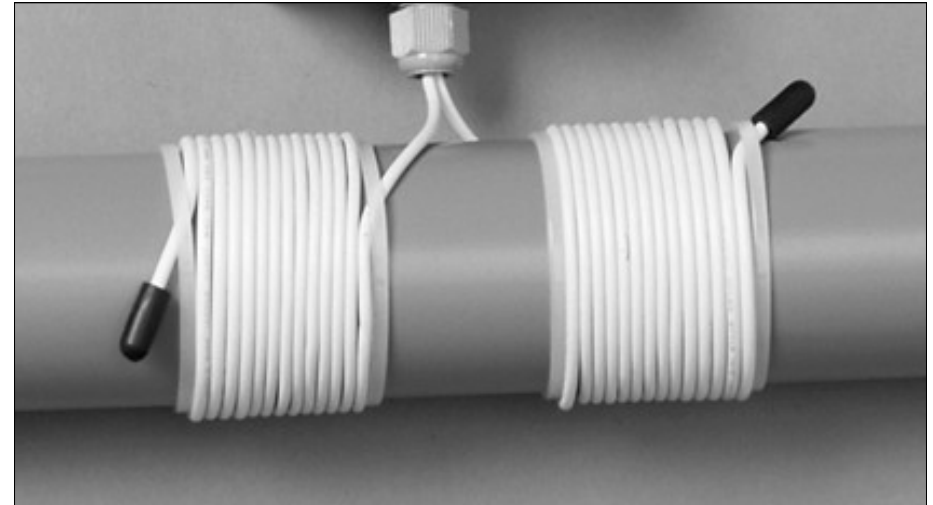
The Aqua-Rex requires a 110 volt outlet for the transformer. The transformer is rated for indoor use only, so it may be necessary to extend the low voltage power cable to an acceptable protected socket.

The power cable is nine feet long in total. Additional cable may be spliced into the lead between the transformer and its plug. A waterproof seal should be made over the connections.

Satisfactory tests have been conducted on a cable extension of 500 yards. The low voltage power supply is AC so there is no need to be concerned about the polarity of the wires.

SECURING THE ANTENNAS

Once you have decided where to locate the unit you need to wrap the antennas around the pipe. It is normally easier to start by putting a plastic tie loosely around the pipe. Feed the end of an antenna



wire through the tie and secure it, so that there is the least amount of antenna left between the tie and the unit. The shorter this length of antenna, the more you have available to wrap round the pipe and the better the Aqua-Rex will work.

Wind the remaining antenna around the pipe so that there are at least 10 turns, more if possible. Secure the other end of the antenna with another plastic tie.

Repeat the process with the second antenna. Start it off in the opposite direction of the first antenna winding it behind the pipe if the first one started off being in front of the pipe.

If your pool system has corrugated

pipe, the antennae can be wound in the grooves, this will not effect the operation of the unit.

It is not important which antenna goes under or over the pipe just as long as they are wrapped around the pipe as tightly as possible. If they are loose the process doesn't work as well.

Do not cut off the end caps at the end of the wires as these prevent the antennas from corroding.

SECURING THE UNIT

Use the fixing screw holes to attach the unit to a firm surface if there is one conveniently nearby. If not, the unit can hang from the pipe by the antennas or it can be secured to the pipe with additional plastic ties.