

INSTALLATION, COMMISSIONING & MAINTENANCE INSTRUCTIONS

FOR THE AQUA-REX WK3RT

DESCRIPTION

The Aqua-Rex WK3RT 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 16 foot aerials will allow at least fifteen wraps around a 3" 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.

LOCATION

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

- The aerials occupy between 12 inches and 15 inches of piping.
- 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.

See the Aqua-Rex Specifiers Guide or check the quote supplied by Aqua-Rex for specific locations on selected applications.

Download the Specifier Guide from www.aqua-rex.com Technical Library.



INSTALLING THE CONTROL BOX

The control box should be installed within 18 inches 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 WRAPPING

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 about an inch 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.

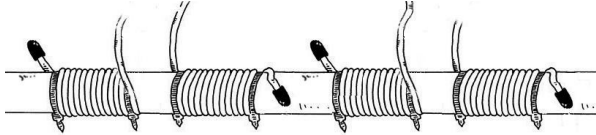
Make as many wraps per aerial (a minimum of 15) as the wire permits.

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

Power is provided by a 120V AC to 9V AC transformer. The plug from the transformer should be plugged into the socket at the end of the power cable from the unit. 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 9 feet. If additional cable is required, 2 core wire can be spliced into the line. Polarity is not an issue as the current is AC. The supply has been tested over half a mile.

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

Once installed, the WK3 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.

BUILDING MANAGEMENT SYSTEM (BMS)

The WK3RT does not have a BMS Connection.

AQUA-REX LLC cannot accept responsibility for consequential loss as a result of the performance or otherwise of the Aqua-Rex unit.

Aqua-Rex is manufactured in England by Lifescience Products Ltd and distributed in the USA by Aqua-Rex LLC.

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.

5 Year Manufacturer's Warranty

Lifescience Products Ltd guarantees to repair or to replace the Aqua-Rex treatment unit in the event that it suffers from any manufacturing defect during the first five years after purchase. The unit should be returned to us properly boxed and wrapped, together with the proof of purchase, showing the price paid.



Aqua-Rex LLC
3301 Spring Mountain Rd. Ste 18
Las Vegas NV 89102
T. 702 304 2170
E - info@aqua-rex.com
W - www.aqua-rex.com