



Jacuzzi JPDS Auto Descaler

How the Unit Works

Once the unit has been installed correctly on the pool circulation system, the Jacuzzi JPDS Auto Descaler will pass a radio signal into the water. This causes the calcium ions to precipitate in suspension in the water, instead of on the surface of the pool.

Existing scale will be removed over the course of a few weeks, and any staining will disappear with it. Some silica scale may reappear, though considerably less than before.

NOTE: Silica scale which has been leached from behind the tiles will not necessarily be reduced.

Installation Tips

Follow these three essential points for proper installation:

1. Wires must be tight on the PVC pipe and secured at both ends by the provided UV rated plastic zip ties.

TIP: Vibrations from the pump may cause the wires to come loose. Check the wires occasionally to retighten.

2. Keep the Descaler control box close to the pipe so you have the maximum amount of wire available to wrap round the pipe.

TIP: Secure the box directly to the PVC pipe or simply let it hang just below from the aerials.

3. Install the auto Descaler on a horizontal pipe on the discharge side of the pump, preferably immediately after it and before the filter.

This product is intended for use on plastic PVC pipe up to 2.5" diameter on recirculating systems for swimming pools. **The Jacuzzi JPDS** is fully waterproof and can be exposed to rain and harsh weather.

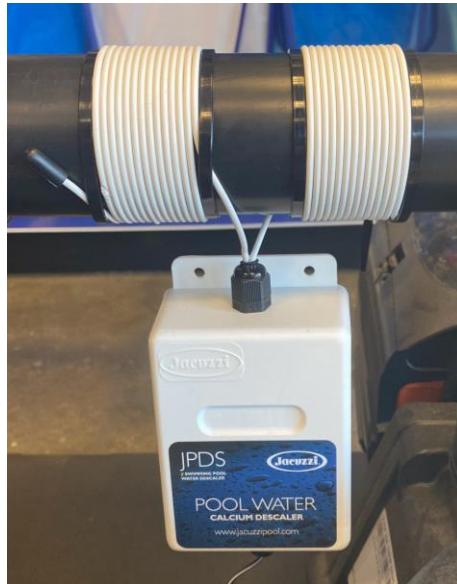
The antennas and power supply are directly wired into the control box and cannot be removed from the unit. The circuit board is fully encapsulated in epoxy resin. Enclosed you will find a plastic sheath which can be heat-shrunk onto the power supply connection.

IMPORTANT: The power supply transformer is rated for internal use **only** and cannot get wet. Protect this transformer as you would any electrical plug.

Install Location

The **Jacuzzi JPDS** Auto Descaler should be installed downstream of the pool pump on a horizontal pipe and before the filter. It requires less than 5 inches of straight pipe for the wires to be installed. The pipe should be at low level so that is always full of water. If there is more than one pump servicing a separate pool of water feature, then each pumped line should be treated downstream of the pump for best results. This unit will operate on any type of pipe material, including corrugated and plastic up to 2.5" diameter.

Securing the Antennas



This is what it should look like after installation. Note that the left hand wire goes under the plastic tie and over the top of the pipe with a second plastic tie securing the end. The right hand wire goes under the pipe and under the plastic tie and winds in the opposite direction.

TIP: It is easier to start by placing a plastic zip tie loosely around the pipe. Feed the end of the antenna wire through the zip tie and secure so the least amount of antenna remains between the zip tie and the unit. The shorter the length the more available to wrap around the pipe and the better the **Jacuzzi JPDS** will work.
TIP: Vibrations from the pump may loosen the wires. Check occasionally to retighten.

Power Supply

The **Jacuzzi JPDS** requires a standard 120V outlet for the transformer.

TIP: To reach a suitable outlet, it may be necessary to extend the low voltage 9V AC power cable. Additional cable may be sliced in 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 9V AC, so there is no need to be concerned about the polarity of the wires.

TIP: To protect the plug/socket from dew and rain, use the supplied heat shrink tube. Slide the heat shrink sleeve over the plug, connect to the socket, and use a hair dryer to shrink into place.

Plug/Transformer Unit

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

General Care

The **Jacuzzi JPDS** will substantially reduce the amount of calcium scale deposits that occur around the waterline of pools. By removing the scale from the tiles or liner, any staining that is retained by the scale will also disappear.

Silica Scale

Calcium and silica scale look very similar and are often confused with one another.

TIP: To identify the scale type, test with acid such as vinegar or muriatic acid.

Calcium scale will bubble and will disappear. Silica will not react.

Jacuzzi JPDS will NOT remove silica scale and will not be effective on scale around the grout lines of tiles. High levels of silica are found in a few ground water supplies and are not a common issue in most areas of the USA.

Maintenance & Trouble Shooting

Jacuzzi JPDS does not require regular maintenance or servicing. Simply check the LED light is flashing and monitor the security of the wires on the piping for optimal performance.

TIP: Should the Jacuzzi JPDS stop working check the power supply to the transformer by plugging another appliance or lamp to the outlet. If the transformer is cold it has failed. Contact our Support Team for a replacement.

If the unit continues to fail or if you are unhappy with the unit, please contact us At 702-304-2170.

Please do not remove the unit prior to contacting Support. Often any issue can be resolved via phone or email.

100 Day Money Back Guarantee: If, for any reason, you are dissatisfied with your Jacuzzi JPDS, you may return it at any time during the first 100 days for a full refund. Simply bring in your receipt, with your full name and address, to the location from which you purchased the unit for a refund.

8 Year Manufacturer's Warranty: Aqua-Rex LLC guarantees its products to be free from defects in material and/or workmanship for a period of Eight (8) Years from the original date of purchase. Defective units will be replaced during this period. The unit should be returned to the store properly boxed, with the invoice/receipt included.

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