

AQUATRACE

Aquatrace Bucket Test

Step One

Check the forecast. If it looks like rain in the future, like within the next 24 hours, then wait. Pick a day from the forecast that looks like you will be clear of any rain or inclement weather. This could potentially lead to false readings.

Step Two

Make sure the pool's water level is at the normal operational level.

Step Three

With your "Clean" bucket (A 5 gallon bucket works best for this, and these are readily available at any Home Improvement store or maybe even in your storage shed) scoop water directly from your pool, making sure the level of the water is about 1 inch from the top of the bucket. By filling the bucket close to the top, you are ensuring that air movement over the surface of the bucket will be very similar to that of the pool and by using water directly from the pool, you are ensuring the exact same chemical makeup of the water.

Step Four

Place the bucket on the first or second step of the pool, making sure of course that the top of the bucket stays above water. To keep it from floating away it may be necessary to place a few bricks or rocks into the bucket. By placing the bucket in the pool water you are ensuring that the water temperature of both will be similar.

Step Five

Mark the water level "INSIDE" the bucket. You can mark the level with a marker or even a piece of tape.

Mark the water level of the pool on the "OUTSIDE" of the bucket as well. (You could mark the pool wall or skimmer face plate as well, but we recommend marking the bucket.)

Step Six

After you complete steps 1-5, operate the pool for 24 hours just as it had been operated when a leak was first suspected.

Step Seven

Wait 24 hours. After 24 hours, mark the bucket again inside and outside.

Step Eight

Now compare the two levels. Measure the difference between the outside marks (Pool Loss) and then measure the difference between the inside marks (Bucket Loss). Write these down for later. If the differences are the same, then your pool is losing water to evaporation. However, If the pool water (outside difference) goes down more than the bucket water level (inside difference), there is probably a leak.

Now that you have your data, let's take a look at how much water you are actually losing.

Using the measurements you found in Step Eight above and using the calculations below will allow you to translate inches of water lost into gallons of water leaking.

First subtract the bucket loss from the pool loss.

Pool Loss – Bucket Loss = Inches of Water Lost

Next calculate the square footage of the water surface of your pool.

Pool Length x Pool Width = Pool Surface Area

Now enter these results into the following equation:

Inches of Water Lost x Pool Surface Area x .62 gallons = Total Gallons Lost

Aquatrace Swimming Pool Leak Detection

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