

Leak Detection Instructions

This instruction outlines the procedure for determining the location of a leak in any Watkins Manufacturing domestic and export spa models.

NOTE: The blue dye used in this procedure can stain clothes and any UNSEALED MATERIAL such as concrete, brick, flagstone, or grout. This is non-toxic dye.

Also, the water should be chlorine free as it will interact with the dye and neutralize it.

Tools Required:

8 oz Measuring Cup

Safety Glasses

Latex Gloves

Safety Requirements: Safety Glasses and gloves must be worn at all time during this procedure.

Note: Pump(s) need to be operating for maximum distribution of dye

1. For spas with ozone generators, disconnect the unit before starting.
2. Remove the filter lid.
3. Using the chart below, pour the dye into the filter bucket.

<i>Water Capacity of Spa</i>	<i>Amount of Dye used</i>
Less than 350 gallons	4 oz
Equal to or greater than 350 gallons	8 oz.

4. ***Using the applicable owner's manual instructions, run the pump at top speed.***
Additionally, open all jets to the maximum position in models where applicable. For two pump systems, repeat the same process for 10 minutes. This will evenly distribute the dye through the plumbing system to the leak and then the foam to the ground. Once blue water appears on the ground, the foam should have absorbed enough dye so that the leak can be traced back to the source.
5. Drain the spa and turn it over to locate the blue dyed foam. For spas with removable panels, remove them to find the blue foam. The intensity of the blue will darken the closer to the leak.
6. Dig all of the wet and blue foam out until the leak is located and repair as needed.