

Care and Maintenance Instructions for Your Piano Life Saver System (For Systems which include a Humidifier)

Congratulations on your purchase of a Piano Life Saver System for your piano. There is no better way to ensure that your instrument will be protected from the effects of humidity changes. The System consists of one or more **Dehumidifier** rods to lower humidity, a **Humidifier** to add humidity, and a **Humidistat** which senses whether the wooden parts of your piano are too moist or too dry. Through a cycling action, the Humidistat is calibrated to create a separate environment within the piano, producing a range of humidity which, in turn, provides a stable moisture content in the wooden parts. This cycling action stabilizes pitch and protects your instrument from deterioration.

Responsibilities of the Piano Owner:

1 Make sure the outlet the System is plugged into has continuous electrical power. The green light marked **POWER** indicates the System has electrical power. The System should not be plugged into an electrical outlet that is controlled by a wall switch.

2 Adding water to the Humidifier tank. Your Humidifier is equipped with sensor probes that sense when the water reservoir is three-quarters empty. At that point, the yellow light marked **WATER** on the light panel will continue blinking until water is added. When the yellow light blinks, add a watering can filled to the FULL can mark or follow the instructions provided on your watering can for filling the reservoir. Do not add just enough water to turn the light off. If your grand piano System has **2** tanks, add **2** full cans of water when the yellow light blinks.

If your tap water comes from a well or is "hard" water, meaning containing significant minerals, we recommend using distilled water. If distilled water is used, add a capful of Humidifier Treatment (see below) or 1/4 cup of tap water to insure there is adequate electrolyte in the Humidifier to support operation of the Low Water Warning Light. Without sufficient electrolyte, the light will blink continuously, even when the tank is full. **Do not put salt in the Humidifier, as it is corrosive.**

Adding water to the Grand Piano System: Look for the small flexible watering tube mounted along the rim of the piano. Pull it out and attach it to the watering can by inserting the spout of the watering can into the tube (older watering can spouts will fit over the tube). Lift the can and slowly let the water flow into the Humidifier reservoir. Because of the way the tube is mounted, the water must flow "uphill" part of the way, so the trick is to hold the can as high as possible without allowing the water to spill out over the top of the can. (It's easy after you have done it a few times.) When the water has run out, lower the can so the water that is still trapped in the tube can go back into the can and not spill out on the floor. Detach the tube and clip it back into place under the rim.

Adding water to the Vertical (Upright) Piano System: The watering tube is usually mounted in front, on the right-hand side under the keyboard, near the light panel. Detach the tube and insert the watering can spout into it (older watering can spouts will fit over the tube). Lift the can and slowly empty the water. When the water has run out, lower the can so the water that is still trapped in the tube can go back into the can and not spill out on the floor. Detach the tube and clip it back into place under the rim.

3 Humidifier pads should be changed at least twice each year. The Humidifier pads are designed to wick water over the heater bar, producing warm, moist air which rises and circulates throughout the piano. To ensure a properly functioning Humidifier, change the pads in the fall and again in the spring. That way, pads are at their best during the winter season when the Humidifier works more frequently. Replacement pads are available from your technician. Drape two pads across the heater bar and push them down into the tank according to the instructions with the pads. The Humidifier may require removal from the piano in order to remove and replace the liner.

4 Humidifier Heater Bar Maintenance. If your System is equipped with a Smart Bracket (SB)—when the red light marked **PADS** on the light panel blinks, the SB has sensed that the pads are not wicking water across the bar. The SB sensor wires, that run the length of the heater bar, can sense the condition of the pads only if the wires are kept free from mineral build-up. During pad changing, remove the SB from the heater bar (if the wires are detachable). Then, remove mineral residue on the wires by scraping with the edge of a knife held perpendicular to the wire. Replace the detachable SB on the heater bar.

5 Use Damp-Chaser Humidifier Treatment regularly. Humidifier Treatment inhibits mildew in both the watering tube and the Humidifier tank and increases the life of the Humidifier pads. Use **1 capful** with each can of water added to the Humidifier. The Treatment is available from your piano technician.

Warning: Add only the Damp-Chaser brand Treatment to the Humidifier water. Other brands of humidifier treatment may contain acids which can corrode strings and metal parts in the piano. The use of other humidifier treatment preparations will void the warranty of the Piano Life Saver System and may void the warranty of the piano manufacturer.

6 Take these steps when moving your piano. First, unplug the power cord and remove the light panel. Tape the panel where it won't be bumped during the move. To avoid spilling water from the Humidifier tank, empty the tank. You can ask your technician to empty the tank or simply follow these steps:

Grand Piano: Under the piano, place a receptacle below the tank. Loosen the wing nut that holds the watering tube and remove the tube from the tank. Remove the heater bar and the Water Sensor probes also. Unclip the tank from the hanger rods by pushing the end of the tank upward. Slowly lower the freed end until water spills over into the receptacle. After the tank is empty, use the wing nut to remount the watering tube and then replace the other Humidifier components. Be sure the end of the tube is inside the plastic liner and that the pads are draped across the heater bar. After moving the piano, fill the tank through the watering tube as described above.

Vertical (Upright) Piano: Remove the piano's bottom panel. Loosen the wing nut on the tank which holds the watering tube and remove the tube from the tank. Remove the heater bar and the Water Sensor probes also. Lift the tank out of the piano and empty the water into a receptacle. After the tank is empty, use the wing nut to remount the watering tube and then replace the other Humidifier components. Be sure the end of the tube is inside the plastic liner and that the pads are draped across the heater bar. After moving the piano, fill the tank through the watering tube as described above.

7 If your system was purchased recently, notice the Fused Plug on the Humidistat power cord. Because pianos are heavy, the power cord could be damaged if the piano rolls over it. In the event of damage to the cord or a direct lightning strike, the fuse in the plug will "blow out" and prevent the flow of electricity through the power cord, thus preventing any further damage. The plug head contains two 5-AMP, 125-volt glass fuses. If the green POWER light is not on, unplug the System and inspect the cord for damage. If there is no obvious damage, remove the fuse from the brass clips inside the plug and replace it with the spare fuse in the plug. If the cord is damaged, the Humidistat should not be plugged into an electrical outlet again. Call the piano technician who installed your System or Damp-Chaser Corp., (828) 692-8271, to report the problem. **Only 5-AMP, 125-volt glass, 5 mm x 20 mm fast-acting fuses should be used in the plug. Never use a fuse with one of greater amperage than 5 AMPS.** These fuses are readily available at electronics stores such as Radio Shack. In the event you cannot find the fuses, Damp-Chaser has a supply.