



Piano Life-Saver™ Maintenance And Owner Responsibility Summary:

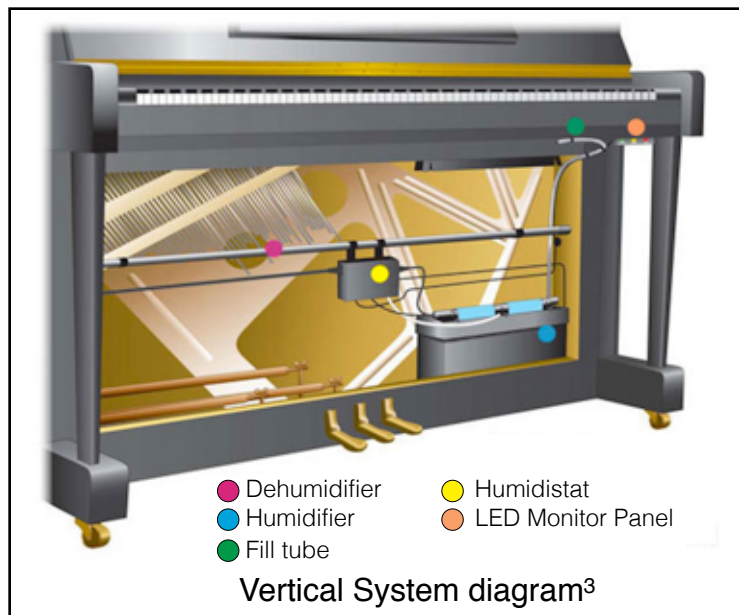
Diligent attention to the maintenance and use of the *Piano Life-Saver™* system will moderate the stressful pitch deviations your piano experiences between service appointments, caused by seasonal variations from the ideal relative humidity of 46%:

1) CLOSE/COVER the piano when not in use;

2) POWER: Ensure the system has power year-round (green light is on);

3) WATER: When the yellow/orange low-water warning light blinks (or glows steady on older systems), add **one watering can¹ only of water filled to the red fill line**, for upright pianos and small grands with single tank systems. Dual-tank humidifier systems (large grands) will require two watering cans to refill — one per humidifier tank. The dual-tank systems have an inter-connecting line, so filling is via a single filler tube;

4) WATER QUALITY: Use **demineralized water²** in the humidifier for best performance and to minimize sediment and corrosion. Don't use tap water.



5) MAINTENANCE: **Service the humidifier every fall** (change water and wicks and add capful of pad treatment) or have it serviced for you to ensure best winter performance when the humidifier is most needed. If tap water is used in place of item #3 then wicks and water may need to be changed as frequently as every two months in winter (or even shorter intervals!). Minerals in the water will clog the wicks.

6) **WARNING:** Use only the manufacturer's pad treatment in the humidifier, or use none; other products may cause severe corrosive damage. **Humidifier pad treatment (HPT) if used is to be added at #5, i.e. at first fill and when serviced/cleaned.** The ratio is one capful per watering can¹. I'm reviewing this recommendation, but currently I discourage adding every top-up (despite instructions on the container that could be interpreted otherwise) because I think it's too much. **Perhaps a capful every 2nd month** between regular service appointments might be more realistic? Certainly no more than once per month.

¹ Older systems with the tall tank (3.8 litres) will hold more than one watering can at 1st fill, or may not even have a watering can; in any case one capful of HPT in a tank is enough at service time only. An older system may have a light that doesn't blink but glows steady; or may not even have a low water warning light, and may not have a fill tube—in which case the "knee panel" below the key-bed must be removed to check the system and water level.

² Suitable water sources are: reverse osmosis filtered water, water collected in a dehumidifier reservoir, distilled water, or strain/filter rain water or melted snow to remove debris. Tap water in this region causes corrosion and leaves mineral deposits that clog the wicks. **Caution:** not all reverse-osmosis systems filter water to be mineral-free.

³ System for upright pianos is shown. Grand pianos have the same components, but mounted differently.