THE PATENTED, AUTOMATIC TWO-WAY HUMIDIFICATION SYSTEM ENGINEERED FOR D'ADDARIO BY BOVEDA®

The Humidipak Restore System by D'Addario allows you to safely return your instrument and case that have previously not been humidified or are in a known dry condition to the ideal humidity level without danger of over-humidification. Using Boveda's® patented two-way humidity control technology, Humidipak Restore automatically adds moisture at an accelerated rate yet safely restores the ideal humidity level inside your instrument case, eliminating the guesswork and anxiety of revitalizing your instrument.

QUICK START GUIDE

Humidipak Restore is for an instrument or hard-shell (wooden) guitar case in a known dry or un-humidified state. Follow these six simple steps to safely rehydrate your instrument:

1. Open the outer packaging of your Restore Humidipak packets.
2. Insert one in each side of the saddle pouch and one in the headstock pouch included with this kit. Be careful never to puncture a Humidipak packet. If a puncture occurs, discard the packet(s).
3. If your instrument is a flat top guitar with a normal soundhole, insert the saddle bag over the 3rd and 4th strings and allow the packets to hang inside the body of the guitar. If you are using Humidipak with other instrument types, find a space in your instrument case that will safely accommodate the packets. Never put them in a position where they are under pressure, or where strings or tools can puncture the carrier bags or packets themselves.
4. Place the headstock pouch under the headstock in your case.
5. Keep your instrument in its case with the lid securely fastened for 2-3 weeks. It is highly recommended to use a good hygrometer such as D'Addario's Humidity & Temperature Sensor (PW-HTS) or our Bluetooth-enabled Humiditrak device (PW-HTK-01) and mobile

application (humiditrak.com) to monitor the progress. When playing the instrument, store the active Humidipaks in the closed case or a sealed ziplock bag.

6. Once your instrument has reached a safe Relative Humidity level (40 to 60% RH), remove the Restore packets and replace with Humiditrak Maintain packets (PW-HPRP-03) for everyday care. If your instrument reaches the proper humidity level before the Restore packets are depleted of their contents, place packets in a ziplock bag for future use if needed.

TAKING THE MYSTERY OUT OF HUMIDIFICATION

With Humidipak, you will not need to worry about refilling humidifiers or whether your instrument is being over-humidified. Restore Humidipak packets have the capacity to provide 39 grams of water vapor per packet to your instrument and case, and are designed to stabilize your instrument's humidity level at around 40 to 50% RH. Using the Humidipak system as instructed will provide your instrument with a perfect, safe environment. Maintaining your instrument's proper RH will prevent string buzzes, warped necks, cracks, and other structural damage that can occur when an instrument is too dry or too humid (outside the recommended range of 45 to 55% RH).

SCIENCE MADE PORTABLE

Humidipak utilizes a combination of a formulated salt, water, and gel solution contained in a leak-proof, vapor-permeable membrane packet. Based on scientific principles, the saturated solution will restore a level of 45 to 55% RH within a sealed environment, like your instrument case, safely without the risk of over-humidification. The packet's membrane itself ensures purity and allows for quick water vapor transmission. The reverse osmosis membrane acts much like the filtration used in water purification systems by inhibiting the passage of soluble substances (like salt) and by allowing only pure water vapor to pass in and out of the membrane. The membrane also allows for a fast rate of water vapor transmission as the solution responds to changes in the ambient environment.

SAFE, SIMPLE AND EFFECTIVE INSTRUMENT MAINTENANCE

Keeping an instrument humidified can be a complicated process — Humidipak simplifies that process. Telltale signs that your instrument is in the "danger zone" include cracks in the top, sides, or back; high action or string buzzing; as well as frets sticking out of the side of the fret board, to mention a few. It may take as long as two to three weeks to properly rehydrate a dry instrument. In many instances, simply rehydrating your instrument will restore most of its previous playability. In other instances, cracks will close up, the neck will expand and cover protruding frets, and action may improve as well.

NOTE: While Humidipak Restore is designed to be the ultimate rehydration device, it cannot repair permanent damage caused by overly dry conditions.

D'Addario Restore Humidipaks are designed to more quickly rehydrate an overly dry instrument and case. They should not be used for regular maintenance. Access to a good hygrometer such as D'Addario's Humidity & Temperature Sensor (PW-HTS) or our Bluetooth-enabled Humiditrak device (PW-HTK-01) and mobile application (humiditrak.com) will always tell you exactly what condition your instrument is in. We highly recommend using such a device to assist you in caring for your instruments.

When your instrument is in an overly dry state, it can take between 20 and 100 grams of water or more to restore — and that's only the guitar. A case that is of wood construction (some modern cases are molded plastic) can hold up to 400 grams of water by itself when fully humidified. You can think of the inside of your guitar case as its own little ecosystem. A wooden case and instrument actually interact to maintain an equilibrium. If one is dryer than the other, it will start to draw moisture from the more humidified source. This is why it is essential that both the guitar and its case are at the proper humidity level. When the instrument's case is humidified, it acts as a buffer between the guitar and the outside environment, and in turn becomes an additional humidity source to a potentially drying instrument.

NOTE: At no time should you puncture, tear, or open the packets exposing the inner contents. In case of a puncture or tear, immediately discard the packet(s) and replace.

Be aware that extreme temperatures can damage your instrument faster than overly wet or dry conditions. Temperature changes will also have a direct effect on your instrument's humidity level. It is recommended to maintain an average temperature of 72 to 75° Fahrenheit (22 to 24° Celsius) where you store your instrument.

45 to 55% is the typical range of the Humidipak System. Due to extreme climatic conditions and the quality of the instrument case, you may sometimes experience results outside of this range. Also, note that most hygrometers have an accuracy of +/- 5% which can affect your readings. Results from 40 to 60% are generally accepted to be safe for your instrument.

For more information on humidifying your instrument, please visit daddario.com/humidification