

Using a DryWave Air Dryer to Combat Mold and Mildew

Eliminate Mold and Mildew Growth with a Drywave

The DryWave is a great unit to have for preventing mold and mildew from forming in your boat, RV, cabin or home by drying the air. When air comes in contact with a surface that is at or below its Dew Point temperature, condensation will form on that surface. The DryWave is a product designed to prevent water condensation from forming by drying the air and warming the temperature to above the dew point within a given space.

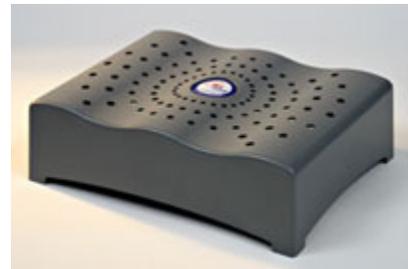


The DryWave is effective in spaces up to 1,000 cubic feet. This means that when you are not using your boat, and have it docked or on a trailer, you can be confident that when you are ready to use your boat again you will not have to worry about cleaning all that pesky mold and mildew. The same ideas apply to a RV, small cabin, or rooms in a home. When you are not using these, they can be subject to moisture accumulation due to lack of ventilation; with that and colder temperatures, condensation is likely to occur.

Where and When the Drywave is Effective

People interested in the benefits of the DryWave should recognize that the climate where they live will have an impact on the effectiveness of the DryWave's ability to prevent mold and mildew formation. Due to the fact that some climates are more humid than others the DryWave may not be as effective when used. On the other hand in places where the humidity is higher for only a portion of the year the DryWave can act as a deterrent for mold formation. The relative humidity plays a crucial role to the formation of mold and mildew in spaces. The relative humidity is the amount of water vapor in the air, which will influence the dew point, or temperature that condensation forms on surfaces. By keeping the temperature above the dew point, and not allowing moisture to build up on surfaces, the chances of mold or mildew forming are reduced.

In the Pacific Northwest and similar cool, damp climates the DryWave is very useful. During fall, winter and spring when humidity is high and temperatures cool, conditions are perfect for the growth of mold and mildew. The DryWave has been developed to help control moisture issues in places where the dew point temperature can be close to the air temperature. The DryWave works by raising the temperature in an enclosed space, lowering the relative humidity and eliminating condensation. Drywave air dryers work best when the temperature range is above freezing and below 65 degrees. While areas like the Gulf coast and Florida frequently have problems with mold, even in the summer. The combination of high humidity and high temperature reduce the effectiveness of the DryWave, and operation in higher temperatures can lead to overheating of the unit.





Tips for Using a DryWave Air Dryer

The DryWave was designed with a low wattage heating unit and no moving parts, which make it safe to operate for extended periods of time, even when unattended. The DryWave was designed to slowly and safely raise the air temperature in an enclosed space, which means drafty areas will reduce its effectiveness.

The DryWave is very easy to use and safe. Before using make sure that air flow around the unit is unrestricted and unobstructed. Choose your location carefully, away from possible fire hazards. Simply plug the DryWave into a standard household outlet (110-120 volts AC) to begin using. The DryWave is "on" whenever it is plugged into a power source. The DryWave has been engineered to operate 24 hours a day and to be left for long periods of time. There is a thermal cut-off switch that will allow the unit to cool to a normal operating temperature should it overheat for any reason. Once normal operating temperature has been reached the switch will automatically reset and turn the unit back on.

