

QUICK AND EASY DEW POINT AND GRAINS

Phoenix Psychrometric Calculator - Accessories

DEW POINT AND GRAINS CALCULATIONS

The Phoenix Psychrometric Calculator gives you the moisture content information you need to determine a drying strategy and monitor the drying process.

With this handy tool, you can accurately calculate dew point and specific humidity (grains of water per pound of air) without fumbling through awkward psychrometric charts. Simply set the temperature and relative humidity; the specific humidity and dew point temperature are displayed in their respective windows.

This moisture content information is crucial to the restoration professional in order to determine the drying strategy and monitor the drying process.

For an example of how easy it is to find moisture content information with the Phoenix Psychrometric Calculator, see the reverse side of this page.

FEATURES

- Provides accurate moisture content information in an easy-to-use tool
- Helps avoid common data input errors
- Accepts input data from 3% to 100% relative humidity
- Accepts temperature inputs from 20° F (-7° C) to 120° F (49° C)
- Temperature and dew point are listed in both Fahrenheit and Celsius



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INSTRUCTIONS

PART NUMBER

4024392

DIMENSIONS

6" diameter

To find the Dew Point and Specific Humidity (grains per pound of air) for a given temperature and relative humidity, follow the 3 step procedure.

Example: 80 °F. and 60% RH

STEP 1

Set the red guide on the clear plastic sheet at the temperature of 80 °F.

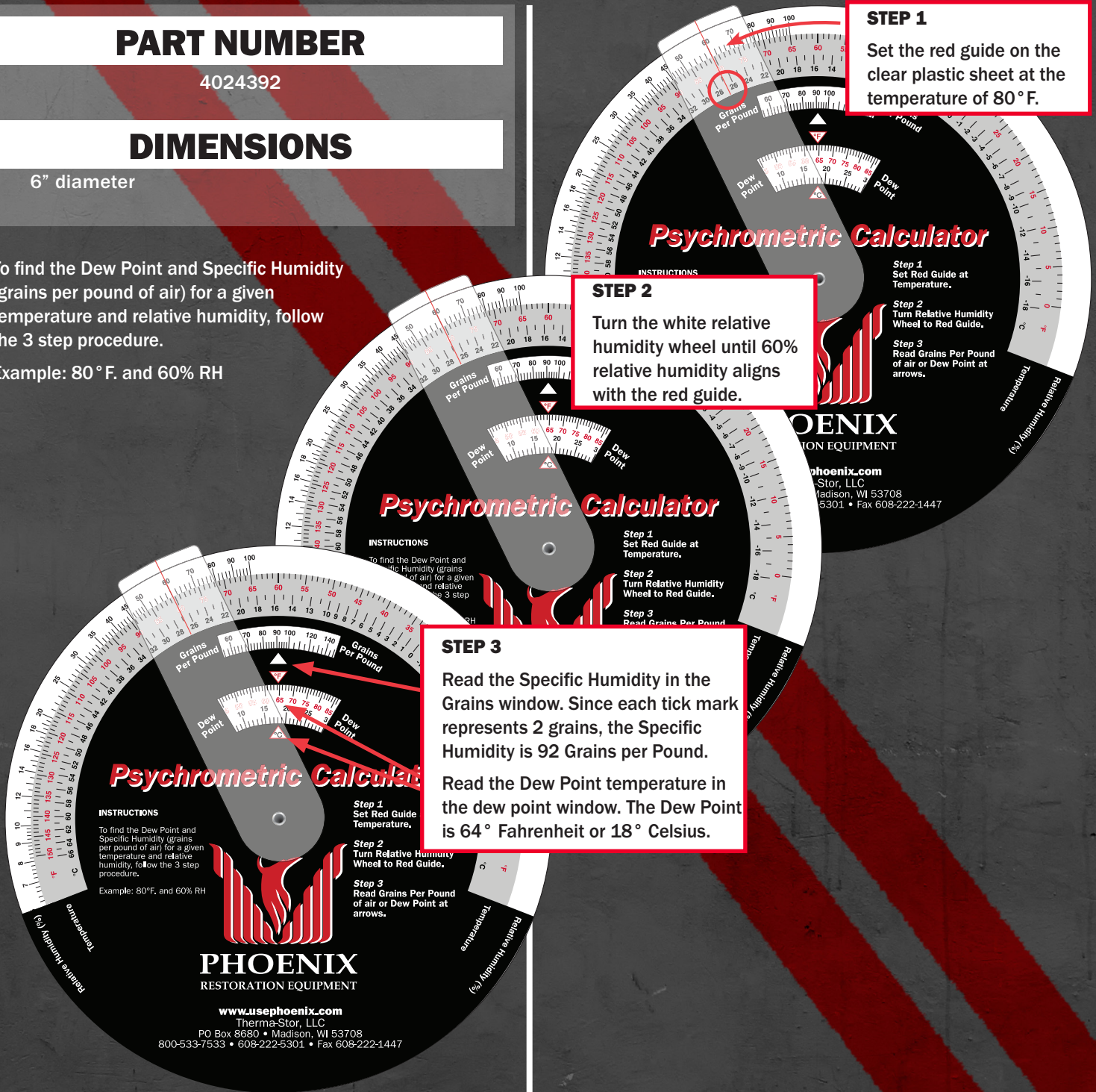
STEP 2

Turn the white relative humidity wheel until 60% relative humidity aligns with the red guide.

STEP 3

Read the Specific Humidity in the Grains window. Since each tick mark represents 2 grains, the Specific Humidity is 92 Grains per Pound.

Read the Dew Point temperature in the dew point window. The Dew Point is 64 ° Fahrenheit or 18 ° Celsius.



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