

## 01 INDOOR AIR QUALITY AUDIT

Custom report that identifies indoor air concerns, likely causes, and recommended solutions

## 02 AIR DUCT CLEANING

Healthy air begins with clean air ducts

## 03 HIGH-PERFORMANCE AIR FILTER

A better air filter means healthier indoor air

## 04 ECO-SUN 2000

Mimics the spectrum of sunlight that controls the population of certain types of organic materials including mold spores, viruses, and bacteria

## 05 MOISTURE PRO

Whole home humidity control means healthier indoor air and a more comfortable environment

## 06 AIR IONIZER

Improves the effectiveness and efficiency of any air filter by clustering very small particulates that filters alone can't catch

## 07 TRIFECTA AIR PURIFIER

Neutralizes odors and transforms airborne contaminants into harmless components that naturally occur in the air

## 08 ARID PRO

A dry basement means healthier indoor air for the whole home

## 09 VENTILATE - AIRE

Energy efficient way to improve ventilation throughout the whole home

# Arid Pro

*A dry basement means healthier indoor air for the whole home*

As long as there are basements and humidity, we'll always have basement humidity. But the problem with a damp basement is that it affects the rest of the home. The relative humidity (RH) level indoors should hover around 45%. Anything over 50% is too moist and should be reduced to avoid the common problems associated with indoor air that's too humid.

The Arid Pro is a high-capacity appliance designed to remove up to 12 gallons of moisture per day from the air inside your home. Best of all the Arid Pro is low maintenance with no messy trays to empty, and simple once a year filter cleaning or replacement.

- ✓ Ducted or free standing
- ✓ Whole-home effectiveness
- ✓ Removes up to 95 pints (nearly 12 gallons) water/day
- ✓ Automatic humidity sensor to "set it & forget it"
- ✓ Low maintenance; annual filter change

## HOW IT WORKS

The Arid Pro can be added to your forced air HVAC system or as a stand alone appliance. Despite its basement location, the Arid Pro removes moisture throughout the whole home.

The actual moisture removal process begins with the sealed refrigeration system that's inside the Arid Pro. As indoor air is pulled inside the system, it moves through a series of fins and tubes that are kept colder than the dew point of the incoming air. (The dew point is the temperature at which moisture in the air will condense, much like what occurs on the outside of a cold glass on a hot summer day.) The condensed moisture drips into the drain pan and is routed to the nearest floor drain or condensate pump. After the moisture is removed, the air moves through a second coil where it is reheated before being discharged back into the home. The discharge location depends on whether the Arid Pro is ducted or free standing. Either way, the indoor air leaves the Arid Pro warmer and drier.

The automatic humidity sensor allows you to "set it and forget it." Which means you won't need to constantly make adjustments; you can set your desired humidity level (around 45% is ideal) and the Arid Pro will automatically adjust as needed to maintain that level. Once your desired humidity level is reached, the Arid Pro shuts off and samples the air to determine if it needs to turn back on.



## MUSTY ODORS

Sometimes humidity or dampness (water vapor) in the air can supply enough moisture for mold and mildew to grow, which causes that musty smell. And while you may or may not be able to see the mold or mildew, the odor-causing microbes may be inside the walls, ceiling, carpeting or cooling system.

## HEALTH & COMFORT

Prolonged exposure to mold can result in severe health problems including respiratory infections, headaches and fatigue, so it's important that homeowners take the right precautions to reduce excess humidity in their home. Indoor relative humidity levels over 50% create the ideal environment for harmful bio growths like mold, fungi and bacteria to develop. And the longer it's left untreated, the more rapidly the bio growth spreads, contributing to a litany of health issues including illnesses, asthma/allergy flare ups, headaches, fatigue, and irritation to eyes, skin and throat. Again, it's important to note that while mold and mildew may not be seen, it can be growing in inconspicuous places like underneath carpeting or inside your cooling system.

While outdoor humidity in balmy Hawaii might be enjoyable, it can be miserable inside your Wisconsin home. Ever wonder why some summer days you feel hot and sticky and other days you don't? Moisture makes air feel warmer than it actually is; so when relative humidity levels are over 50% for example, 70 degrees can feel like 80 degrees to you. In addition to the perceived heat, high humidity hampers sweat evaporation, so the moisture remains on your skin and you feel even warmer.

## HOME & FURNISHINGS

Home furnishings, mechanicals and the structural components of your home are all at risk when the relative humidity inside rises above 50%. Really, any material in your home that has the capacity to absorb and release moisture is at risk.

If left untreated, furnishings and structural components including framing, drywall, windows and doors begin to swell, rot and deteriorate. Humidity that settles on mechanicals like toilet tanks, water pipes and heating and cooling equipment can slowly cause rust or grow fungus. All scenarios leaving you with potential safety risks, expensive repairs and home improvement projects.



**Pure Indoor Air**

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