

Perfect Temperature / Perfect Humidity



HumidiFlex System (IAHS)

Designed for homes to provide independent control of humidity and temperature



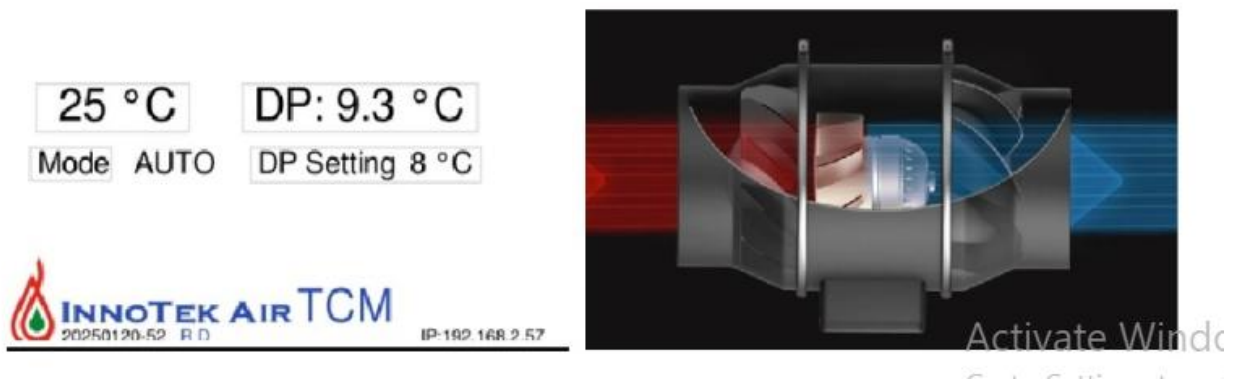


A Revolutionary leap in dehumidification system & control technology

The HumidiFlex System (IAHS) is a cost-effective upgrade that transforms your existing air conditioner into a high-performance dehumidifier.

No more need for a separate dehumidifier unit.

This System upgrade comes in a kit including an inline fan, Dehumidification Mixed Air Controller (DMAC) and integrated sensors



Proper humidity control is the key to a healthy environment

Keeping a warmer, dry environment is the key to stopping the growth of mold, mildew, and dust mites, as well as suppressing the spread of many viruses and bacteria.

Optimize humidity & optimize energy usage

Keeping a warmer, drier, healthier environment will reduce energy consumption by 40% or more and feel more comfortable too.

Air Conditioning Only Solves Half the Problem

Conventional air conditioners are designed to provide cooling on hot days tend to over-cool and under-dehumidify. This is because air conditioners can only control the temperature. They can affect humidity, but they don't directly control it.

Over-cooling and under-dehumidifying leads to:

- uncomfortable, cold and damp environments
- increased growth of mold, mites, viruses, and bacteria
- wasted energy.

Benefits

The benefits that a **System** delivers reliable, efficient results. brings are:

- Health benefits through Improved indoor air quality
- Energy savings
- Protects the home from mold damage
- Extends the life of the entire HVAC system.

Health Benefits

Research² shows that 25.5°C (78°F) and 45% Relative Humidity (RH) minimizes the growth of mold, mildew, and dust mites, and other pathogens while still maintaining a comfortable environment. Mold and dust mites are the largest contributors to respiratory health issues in North America.

Whereas it is virtually impossible for an air conditioner on its own to maintain the condition of 25.5°C and 45% RH.

Mold Prevention

Molds produce allergens. Even with otherwise healthy individuals, molds can irritate the eyes, skin, nose, throat, and lungs. With those who suffer from asthma, molds can cause asthma attacks. Some molds are toxigenic meaning species will not grow in warm dry environments such as 25.5°C and 45% Relative Humidity (RH). Mold can even be fatal in some cases, especially with individuals with compromised immune systems.



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Dust Mite Prevention

Sensitization to the house dust mite is the most common risk factor associated with the development of asthma in adults and children. Again, dust mites do not like warm dry environments such as 25.5°C and 45% RH.

Prevention of Bacteria & Respiratory Infections

In general, airborne bacteria are less tolerant to mid-range humidities (40-60% RH).