



*A **Revolutionary** leap in dehumidification system & control technology*

## The HumidiFlex System Versus Stand Alone Dehumidifier

The **HumidiFlex System**, powered by our **advanced Bypass Technology** and the **Dehumidifier Mixed Air Controller (DMAC)**, offers superior performance over standard whole-house dehumidifiers. It provides a level of control and efficiency that other systems simply can't match.

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### How HumidiFlex Works

The secret to its effectiveness is the unique bypass design. The system diverts a portion of warm, humid air around the main evaporator coil. This targeted approach allows the air to be cooled to a much lower temperature than a typical AC unit would, maximizing condensation and removing significantly more moisture from the air. The DMAC's integrated sensors and suction line setpoint controls precisely manage the leaving dewpoint, ensuring ideal dehumidification and comfort.

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### A Superior Approach to Dehumidification

Here's how the HumidiFlex System stacks up against traditional whole-house dehumidifiers:

- **Adaptive Performance:** Unlike other dehumidifiers with fixed performance, HumidiFlex's adaptive capability allows it to **dynamically adjust** to changing conditions, consistently delivering optimal dehumidification.
- **Greater Capacity:** The HumidiFlex System, when integrated with a central cooling system, provides 5 to 6 times the dehumidification capacity of a typical whole-house dehumidifier. It can handle larger spaces and more extreme humidity with ease.

- **Solving the Root Problem:** Standard dehumidifiers often act as a band-aid, compensating for the uncomfortable overcooling that many AC systems cause. The HumidiFlex System, on the other hand, solves the problem at its source by giving you **perfect control** over your central cooling unit's dehumidification behavior.
- **Energy Efficiency:** Many dehumidifiers use a reheat process to warm the air after dehumidifying, which is an inefficient cycle of cooling and then reheating. This is often necessary to compensate for overcooling. The HumidiFlex System eliminates this need, resulting in significant **energy savings** and a more comfortable environment without the energy trap of reheating.

The result is a more effective, efficient, and comfortable solution. **Why invest towards a standalone less powerful dehumidifier when the HumidiFlex System** can do more with less operating and initial investment cost ? It's a single, smart investment for superior comfort and lower energy bills.