

MDM Maximum Dehumidification Mode

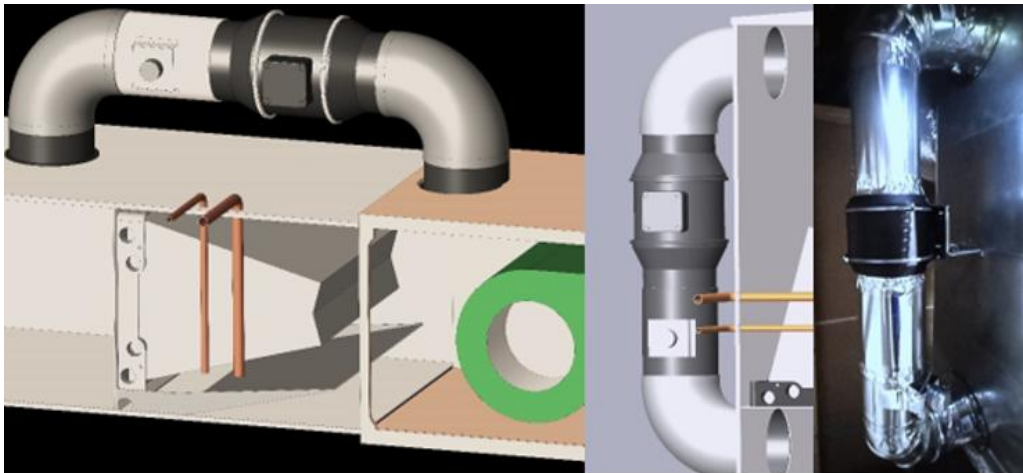
Introduction

All mode utilizes the **HumidiFlex System (IAHS)**

Unleash the full power of humidity control.

Powered by the **HumidiFlex System (IAHS)**, this breakthrough upgrade transforms any central split-type cooling system into a new **high-performance, precision-controlled dehumidifier**.

In MDM mode, you're not just running an air conditioner — you're building your own custom dehumidifier using your preferred brand of off-the-shelf A/C equipment. This is humidity control on your terms adding that its cost is overwhelmingly lower than any dehumidifier sold.



Engineered for Pure Dehumidification Power

Unlike other modes, **MDM focuses 100% on moisture removal**, without compromising performance to maintain a specific cooling balance.

- **Smart Algorithm Control** — A mathematically proven algorithm calculates the ideal airflow across the coil based on real-time intake air conditions.

- **Optimized Coil Performance** — Adjusts system operation for maximum water extraction, not just the lowest possible suction setpoint.

Flexible, Powerful, and Compatible

- **Thermostat Optional** — Operates with or without a thermostat for ultimate installation flexibility.
- **DMAC Integration** — The **Dehumidification Mixed Air Controller** can manage your equipment alongside other controls, including an added humidifier, for complete climate control.
- **Best-in-Class Capacity** — Delivers the highest possible dehumidification output as compared to any existing dehumidifier.

Why Choose MDM?

If your priority is **dry, crisp, healthy air** — even in the most challenging humidity conditions — MDM is your ultimate solution. Perfect for:

- High-humidity climates
- Spaces prone to mold or mildew
- Applications where comfort means **dry first, cool second**

Bottom line: With **Maximum Dehumidification Mode**, you take full command of your indoor environment — extracting every drop of excess moisture for a fresher, healthier, and more comfortable space.

MDM Maximum Dehumidification Mode

Features That Put You in Total Control

The **DMAC** Graphical User Interface (GUI) isn't just a simple control panel; it's a powerful design studio that gives you unmatched control over your indoor environment. With this intuitive interface, you can create and customize a high-performance dehumidification system tailored to your exact needs.

This breakthrough puts humidity specialists in complete control of the **HumidiFlex System (IAHS)** providing a level of flexibility and precision that was once impossible.

Exclusive MDM Technology: The Brains Behind the Power

At the heart of the system is our exclusive **MDM** (Maximum Dehumidification Mode) Technology. This is not a simple on/off switch; it's a precision-engineered algorithm that intelligently manages the cooling coil air flow cooling coil with mathematical accuracy. The result is optimal performance, every single time.

With **MDM**, you're not just running a dehumidifier; you're orchestrating a finely tuned climate process. The technology works by intelligently decoupling your HVAC system's two core functions:

- Cooling, handled by your existing air conditioner.
- Dehumidification, managed by the **MDM** system.

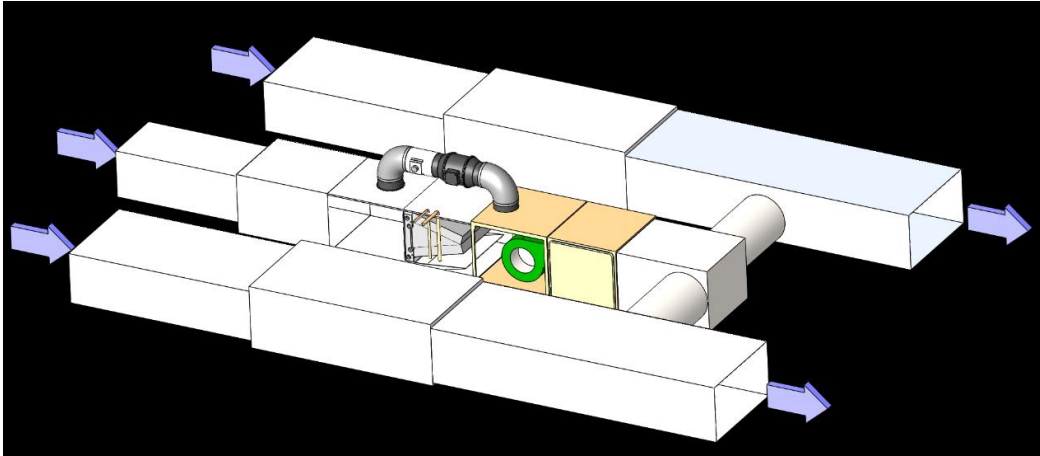
This innovative approach delivers faster comfort and healthier air quality by giving you total environmental control through a single, easy-to-use interface.

System Application

Total Versatility

In **MDM** Mode, you're not just adding a component to your system, you're building a custom dehumidifier using your preferred brand of off-the-shelf A/C equipment. This flexibility makes the **HumidiFlex System (IAHS)** perfect for a wide range of applications:

- **Standalone or Integrated: Operates independently or seamlessly integrates with the supply air of multiple HVAC systems.**
- **Perfect for Multi-System Spaces: An ideal solution for homes or commercial buildings with two or more central systems.**
- **Flexible Air Delivery: For example, in a restaurant, the dehumidifier can feed dry air or humidity into all rooftop units, ensuring consistent comfort across the entire space.**



- Expanded Climate Control: Add an optional humidifier or a small heater to the dehumidified airstream to expand air volume and increase humidity-removal capacity, giving you even greater command of your environment.

The Bottom Line

DMAC's MDM Technology transforms ordinary HVAC setups into high-precision, high-performance climate systems. This gives you the power to design, control, and perfect your indoor environment like never before, ensuring optimal comfort and air quality for any space.

Ideal for homes or commercial space having more than one central system such as Rooftop or split type cooling system



