

AMDM Adaptive Maximum Dehumidification Mode

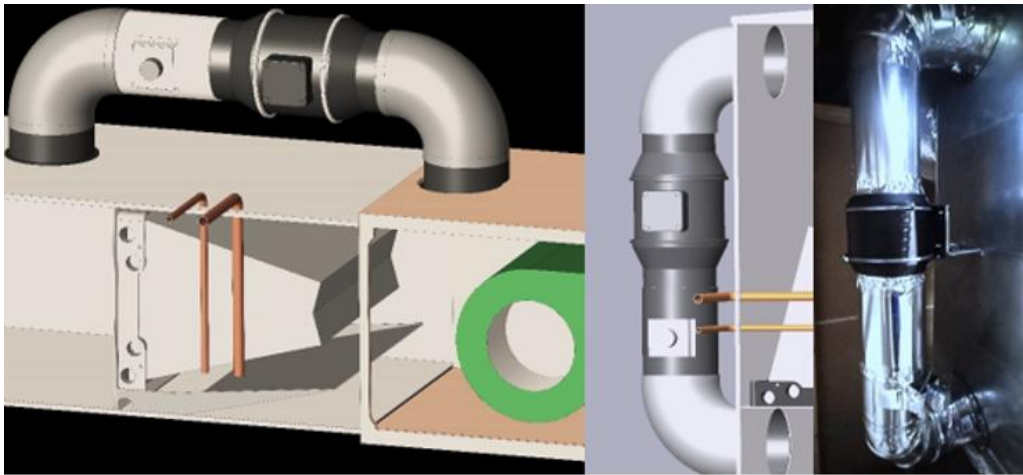
Introduction

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

Unleash the full potential of **HumidiFlex System (IAHS)** applied in a unique

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

In **AMDM mode**, you're **building your own custom dehumidifier** using your preferred brand of off-the-shelf A/C equipment. This is humidity control is on your terms adding that its cost is overwhelmingly lower than any dehumidifier sold.



Engineered for Pure Moisture Removal

Unlike other modes that split focus between cooling and dehumidifying, AMDM is dedicated 100% to moisture extraction — without sacrificing system performance.

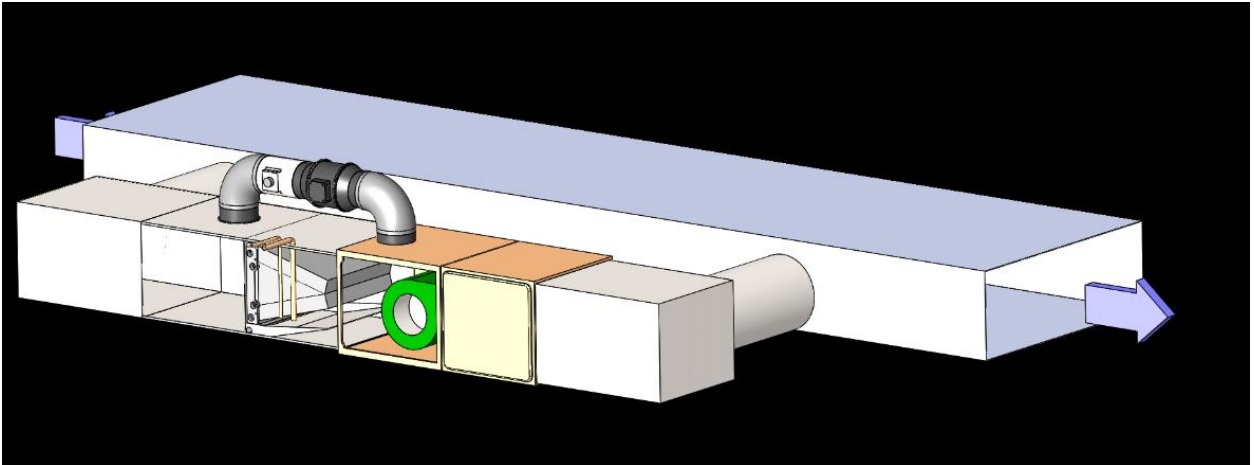
- *Adaptive Intelligence – Continuously monitors indoor coil inlet temperature and automatically adjusts fan speed for optimal dehumidification under varying intake air conditions.*

- *Smart Algorithm Control – A mathematically proven control algorithm calculates the ideal airflow across the coil in real time, ensuring maximum moisture removal efficiency.*

How It Works

*The **AMDM HumidiFlex System (IAHS)** dehumidifier is installed directly into the supply (delivery) air stream of virtually any main duct of any system — from makeup air units to large mechanical room systems to rooftop installations.*

- *Fits into any main duct delivering air to multiple zones or spaces.*
- *Operates seamlessly whether the intake air is precooled or not.*
- *When precooled air enters, AMDM increases blower speed, pushing more air across the HumidiFlex™ coil for deep dehumidification without risking coil freeze-up.*



This process allows the system to lower air dew points well below intake levels, delivering crisp, dry air even in challenging humidity conditions.

Ideal Applications

AMDM is the perfect solution for:

- *Grocery stores – Maintain lower dew points to protect perishables and prevent condensation.*
- *Large commercial spaces – Handle vast square footage with consistent humidity control.*
- *Laboratories & clean rooms – Achieve precise, stable low-humidity environments.*

Why Choose AMDM?

- *Retrofit or new install – Works with your existing A/C brand and setup.*
- *Cost-effective – Delivers commercial-grade dehumidification at a fraction of the price.*
- *Precision control – Adaptive, algorithm-driven performance for consistent results.*

AMDM + Ideal Applications

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- *Controlling the environment in a specific zone*

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AMDM + HumidiFlex System (IAHS) = The smartest way to take control of humidity in larger HVAC system.