

Solutions for Data Centers



- ⇒ Reduce HVAC Maintenance
- ⇒ Protect in Extreme Weather Conditions
- ⇒ Lower Utility Costs

Lower Your Data Center Power Consumption and HVAC Equipment Maintenance



Data centers are a key resource for many businesses today, providing a way for companies to shift the high energy demand and technical maintenance required for data equipment to another location. They also help to mitigate risk of downtime and data loss due to power outages, caused by situations such as extreme weather conditions or technical issues.

And while providing many benefits, data centers also face challenges related to utility costs and HVAC equipment maintenance. United Enertech has a range of products designed to help address these challenges – with engineering excellence and quality manufacturing.

Our Solutions for Data Centers



United Enertech dampers are low leakage and offer low pressure drop. They are designed to control the airflow into the data center to assist in keeping equipment cool.



Weather louvers protect the outside opening in a building's exterior walls. These louvers may be used for exhaust or intake air.



UV products for use in HVAC applications are installed within the air handler. These products provide continuous improved energy efficiency.

Manage Airflow & Reduce Energy Costs

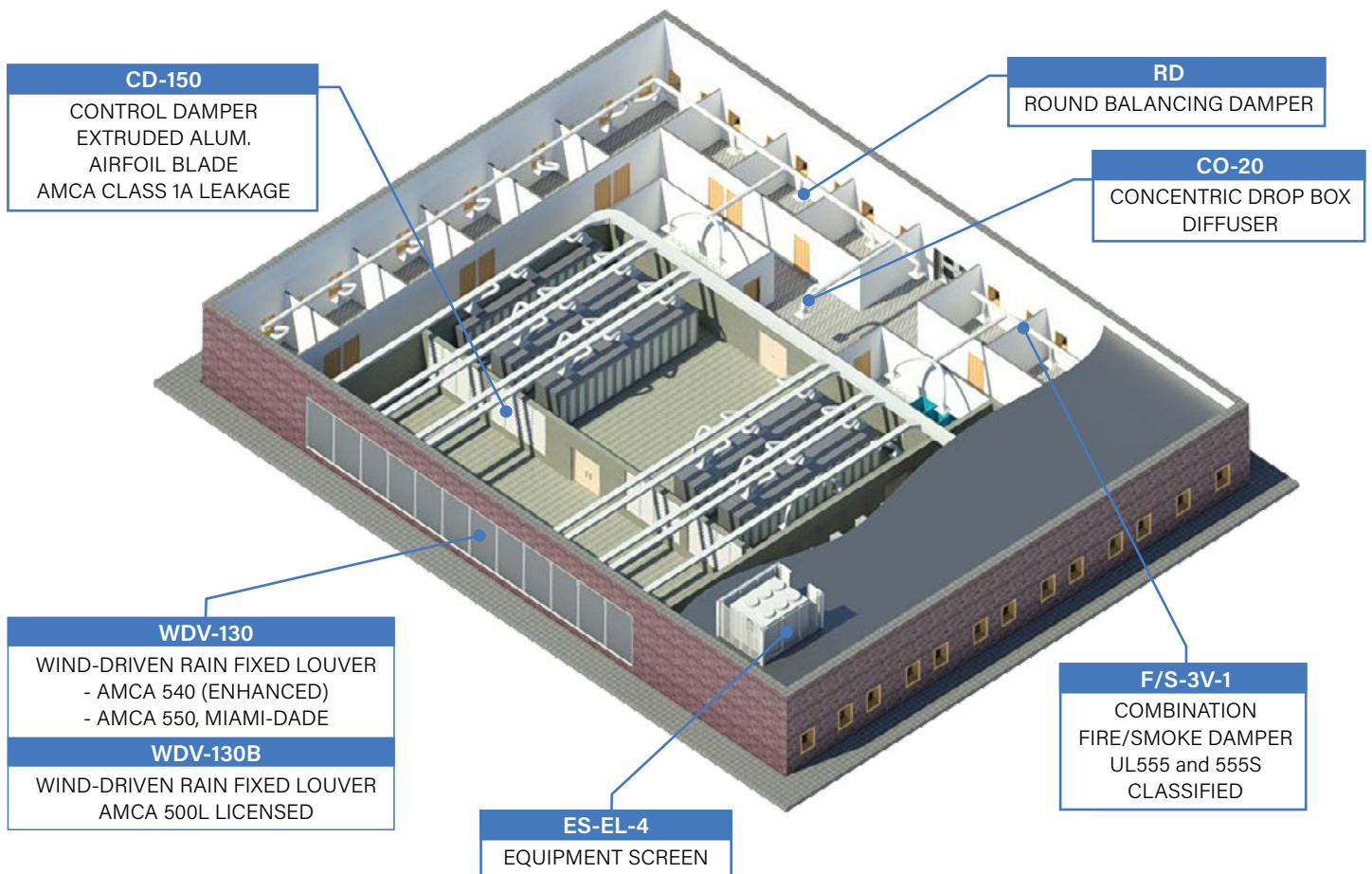
Effectively managing external airflow impacts utility costs. United Enertech designs, develops, and manufactures air movement and control products that offer innovation, reliability, and fast turnaround.

United Enertech

The Air Control Experts

Our team is focused on meeting our customers' needs for quality and speed while maintaining the flexibility to adapt to custom specifications.

- **Over 30 years** of quality products and reliable service.
- **Hundreds of products** for a variety of applications, ranging from UL listed dampers and Miami-Dade County approved louvers to UV products for disinfection and improved indoor air quality (IAQ).
- **U.S.-based manufacturing** includes five facilities, each a center of excellence.
- **Our technical resources allow us to be flexible**, and we pride ourselves on our responsiveness and our ability to adapt to your specifications.
- **In-house testing laboratory** for the preliminary testing on UL listed products.



Manage Operational Costs with Airflow Control

Control Dampers for Data Centers

Control dampers regulate airflow through duct work by opening and closing their blades. This simple action can serve many purposes, such as directing airflow to a specific part of the building or for mixing hot and cold air streams for air conditioning.

Our louvers and dampers help to reduce utility costs by having low pressure drop on both louvers and dampers and extremely low leakage on dampers.

Our thermally broken dampers offer thermally broken aluminum frames and thermally insulated and broken airfoil blades to eliminate the transfer of cold or heat and reduce condensation, while providing exceptional air control in medium to high pressure and velocity applications.



TB-155

When thermal efficiency is needed, the TB-155 is the answer. Great for data centers, this thermally broken damper is designed to eliminate transfer of high heat or low cold penetration and reduce condensation.

- Constructed with heavy duty double-skin extruded aluminum blade.
- Manufactured with aluminum and corrosion resistant zinc plated steel linkage.
- Licensed to bear the AMCA Seal, which applies to air performance and air leakage ratings.



CD-100

The model CD-100 is a rectangular damper with .125 extruded aluminum blades and .081 extruded aluminum frames. This model can be built in one section up to 52" w x 72" h. If a larger size is required, contact us for additional ordering details.

- Designed with extruded aluminum single skin blade with low pressure drop.
- Licensed to bear the Certaire Certified Air Ratings Seal. Class 1A leakage.



For more information, please contact a United Enertech representative at 423-698-7715 or email sales@unitedenertech.com.

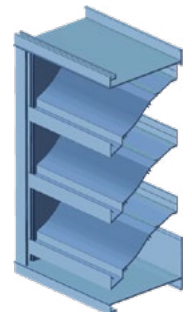
Weather Louvers for Data Centers

Weather louvers offer extra protection in more demanding applications where weather situations, such as high wind or heavy rain exist. These louvers allow for air ventilation while protecting from unwanted elements.

FL-D-6.1

The model FL-D-6.1 is a high-performance weather louver designed to protect the outside opening in a building's exterior walls. These louvers may be used for exhaust or intake air.

- Designed with a birdscreen constructed of .5" x .050" flattened aluminum in a removable frame.
- Licensed to bear the AMCA Seal, which applies to air performance ratings and water penetration ratings.



UV Germicidal Irradiation (UVGI) for Data Centers

UE-PRU

The UE-PRU is designed to achieve disinfection of the cooling coil surfaces to decrease biological growth on the coil. This results in benefits for HVAC systems in data centers including improved energy efficiency.

- Installed within the air handler to provide improved energy efficiency.
- Available in a variety of configurations to accommodate packaged rooftop units ranging from 5 tons to 40 tons.



CD-150

The model CD-150 is an extruded aluminum rectangular control damper. One section can be built up to 60" w x 72" h. If a larger size is required, contact us for additional ordering details.

- Designed with hollow airfoil blades with a .375" thick end nose and a .081" frame.
- Licensed to bear the AMCA seal, which applies to air performance and air leakage ratings. Class 1A leakage.



CD-160

The model CD-160 has double thick, galvanized steel airfoil blades and a galvanized steel frame.

- Manufactured with roll formed galvanized steel.
- Licensed to bear the AMCA Seal, which applies to air performance and leakage ratings. Class 1A leakage.



Reduce HVAC Maintenance

UE-PRU

In addition to improved energy efficiency by decreasing the biological growth on the coil, the UE-PRU's benefits for HVAC systems in data centers also include reduced equipment maintenance.



- United Enertech UV Germicidal Irradiation products have the lowest 5-year cost of ownership. We use Philips lamps in our designs, which are non-proprietary and available through multiple sources at competitive pricing.*

*United Enertech is a distributor for Philips UVC lamps, and we proudly offer competitive pricing. Contact us to learn more about the specific costs related to different products and configurations.

TB-155

When thermal efficiency is needed, the TB-155 is the answer. Great for data centers, this thermally broken damper is designed to eliminate transfer of high heat or low cold penetration and reduces condensation.

- Constructed with heavy duty double-skin extruded aluminum blade.
- Manufactured with aluminum and corrosion resistant zinc plated steel linkage.
- Licensed to bear the AMCA Seal, which applies to air performance and air leakage ratings.



United Enertech TB-155 is the highest performing thermally broken damper in the industry.



For more information, please contact a United Enertech representative at 423-698-7715 or email sales@unitedenertech.com.



Protect in Extreme Weather Conditions

WDV-130

5" Deep Vertical Blade Wind Driven Rain / Hurricane Louver

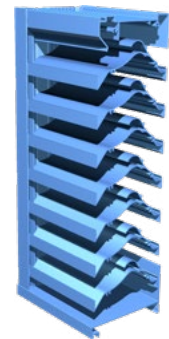
The model WDV-130 is a 5" deep vertical blade louver that meets the standards for high velocity hurricane zones (AMCA 540/550, TAS 201, 202, & 203) and is both Miami-Dade County and Florida Building Code Approved.



XSD-130

5" Deep Wind Driven Rain Louver

The XSD-130 is designed to protect intake and exhaust openings in buildings while reducing the amount of wind driven rain penetration.



D-HV-9

Horizontal/Vertical Blade Hurricane Louver

A 9" Deep Hurricane Louver with horizontal front blades, this product meets the standards for High Velocity Hurricane Zones (AMCA 540/550, TAS 201, 202 & 203), and is both Miami-Dade County and Florida Building Code Approved.



TB-155

Thermally Broken Damper

Great for data centers, this thermally broken damper is designed to eliminate transfer of high heat or low cold penetration and reduces condensation.



Your Source for Data Center Solutions

Contact us to learn more about our high-quality products for data centers. You can count on us for engineering expertise, quick turnaround, and flexibility to customize.



www.unitedenertech.com

3005 S. Hickory Street

Chattanooga, TN 37407

423-698-7715

sales@unitedenertech.com

