Vanishing Act

Airflow Balancing Damper Design Grows in Popularity as it Vanishes from Sight.

Metropolitan Air Technology's Remotely Operated Balancing Dampers Meet Architectural Design Demands at the Qatar Faculty of Islamic Studies.

As architecture continues to test boundaries in design, conventional airflow systems, specifically balancing dampers, fail to meet the demands for less visually intrusive solutions. Metropolitan Air Technology (M.A.T.) delivers a solution that is catching the eye of architects internationally, primarily because of what they don't see.

> *"Their remotely operated balancing dampers were the only solution that could meet our high design expectations. They are invisible to the eye, yet highly functional."*
>
> Basem Khalil, MEP Project Manager, Consolidated Contractors Company

Maintains Architectural Design Integrity

M.A.T., a USA company represented by International Distributors, manufactures airflow adjustment solutions that meet high design standards with their remotely operated balancing dampers.

Their design avoids the need for unsightly access panels or the need to break into finished ceilings to adjust dampers. It also eliminates the need for hazardous scaffolding to reach areas with limited access.

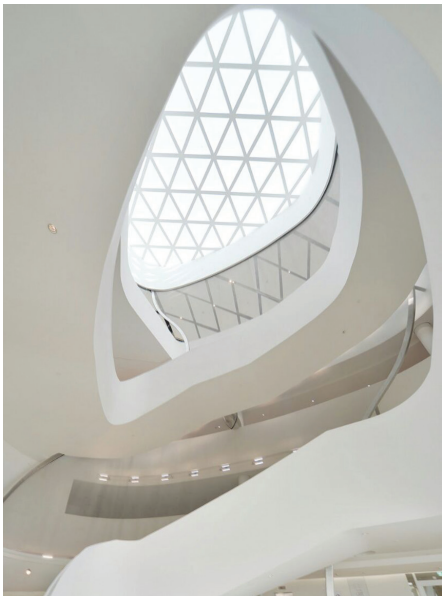
M.A.T. has manual and battery powered damper options. The manually operated dampers are controlled by rotary actuation cables that can be routed inside or outside of the airstream. The dampers can be adjusted at the face of the air outlet or at ceiling or wall surface termination points as small as 25mm in diameter. The ceiling terminations are prepared for painting or finish to match interior design requirements. Battery powered dampers allow easy routing of wiring to central control rooms, avoiding visible termination points in common areas altogether.

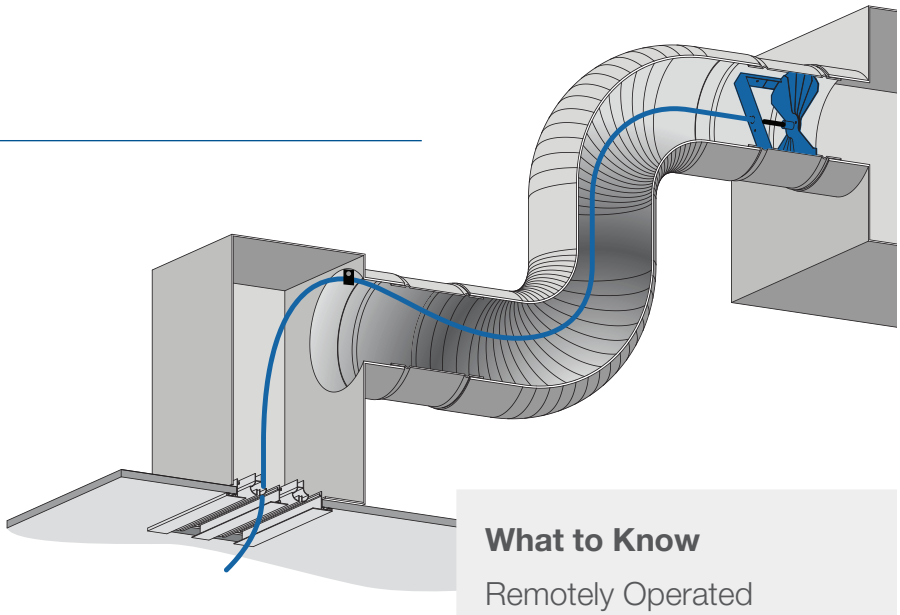
Delivers on Value

The Qatar Faculty of Islamic Studies' irregular building shape and large footprint (205m x 150m) presented many challenges for ductwork system designers. In addition, aesthetic constraints from the client, along with ceiling structure and design, did not permit the use of access panels. Finally, the height of the ceiling and the non-uniform structure limited access to above ceiling areas. M.A.T. dampers were installed without complications. The remotely operated damper design allowed ceiling finish to progress prior to testing. Testing and balancing were completed very quickly and without disruption to other disciplines.

In addition to the features that support design integrity and provide testing and balancing efficiencies, M.A.T.'s dampers are affordable and can be easily and quickly installed.

MAT®
Metropolitan Air Technology





Rotary actuation cables are readily accessible for adjusting at the face of the air outlet. After airflow adjustments are performed cables are hidden back in the airstream, as shown above.

Proven Throughout the World

"Our focus is on manufacturing quality balancing dampers that uphold architectural design standards, deliver value, and are easy to install. Architects around the world have been responding enthusiastically," noted Mike Blaha, M.A.T.

M.A.T.'s remotely operated dampers have been installed in many well-known buildings and organizations throughout the world, including the Field Museum in Chicago, Harvard University, John Hopkins Hospital, Tiffany & Co, Walt Disney World and Disney Shanghai, Art Gallery of Ontario, Trump Tower of Chicago, and the Hamad International Airport.

What to Know

Remotely Operated Balancing Dampers

Over 600,000 remotely operated dampers installed worldwide.
Over 20 years of proven reliability.

Product Line Benefits

- Preserves ceiling design aesthetics
- Eliminates the need for access panels
- Eliminates the need for hazardous scaffolding to reach ducts with limited access
- Balancing is performed without breaking into finished walls or ceilings
- Saves time and labor on balancing and rebalancing

Product Line Features

- UL certified
- Made in the USA

Product Line Options

- Round, rectangular and oval
- Many sizes available
- Operation:
  Roto-Twist® cable-operated
  Electro-Balance® battery-powered
- Materials: Galvanized steel, aluminum and stainless steel

About Metropolitan Air Technology

M.A.T. is a US manufacturer located in Chicago, IL. They have been in business for over 20 years. Their products are installed in prominent buildings throughout the world, including Field Museum in Chicago, Harvard University, John Hopkins Hospital, Tiffany & Co, Walt Disney World and Shanghai Disney, Trump Tower of Chicago, Hamad International Airport, Msheireb Downtown Doha, Canada's West Block Parliament, Art Gallery of Ontario, and Parq Vancouver.