



Critical Spaces

High Performance Air Valves



eip-hvac.com




500,000

The number of workers who are employed in laboratories across the U.S., and many are exposed to numerous toxic hazards.

- OSHA.gov

Proven partners

 We are e.i.p.



Energy Improvement Products (e.i.p.) is a recognized leader in engineered solutions. Since 1983, our team has developed a strong network of engineering firms, contractors and other end users in the commercial HVAC industry. As your partner, we're committed to delivering quality solutions to enhance the health of your building, along with offering unmatched service and support.

In laboratories, pharmacies and healthcare facilities, we understand the importance of airflow control and reliable, accurate performance of your system. Our team will evaluate your critical environment and work with you to establish a plan customized to your unique application and needs.

The results?

**RISK REDUCTION | BETTER CONTROL | ENERGY SAVINGS |
LESS WEAR AND TEAR ON MECHANICAL SYSTEMS |
COMPLIANCE WITH ASHRAE STANDARDS, IDPH AND
LOCAL CODES**





Maintain cleaner air

ensure compliance.



Proper ventilation of critical spaces is a main concern for the safety of all occupants. Implementing Venturi Valves into your HVAC strategy will help deliver clean air, maintain specific conditions for all spaces and enable overall better building efficiency and performance.

ENVIRONMENTAL INTEGRITY | SAFER SPACES | LOWER ENERGY COSTS

ANTEC controls
by price

Antec Controls®

Responsive, accurate control.

Antec Controls, a division of Price Industries, offers healthcare and laboratory solutions designed to deliver precision airflow and environment control for critical spaces. Their product line includes multiple industry-leading airflow control devices with high turn-down capabilities and control systems that can provide energy savings while creating a safe working environment. **Owners, consultants, life sciences and other critical environment facilities have trusted the Antec Controls name for superior quality and reliability.**



Antec Controls product benefits

- ✓ 5-year warranty on all products
- ✓ BTL listed
- ✓ BACnet integration
- ✓ ISO 9001
- ✓ Valve calibration stations are NVLAP accredited

Flexibility

- ✓ Choose between two high accuracy valve technologies, both with the same footprint
- ✓ Designed to meet the needs of various applications
- ✓ Complete turnkey solution through e.i.p., or option for controls by others

Market exclusivity
nothing compares.

Antec Controls develops superior solutions

Antec Controls is the **ONLY** manufacturer in the market to offer two valve technologies: Venturi Valves and high accuracy terminals, designed for precise airflow control. These solutions are increasingly being used in world-class research laboratories, pharmacies and state-of-the-art healthcare facilities to help save energy, reduce operating costs and meet the demands of humidity control and pressure monitoring. Whether your application requires pressure independence or airflow measurement, Antec Controls has the answer.

Transparency

- ✓ Nonproprietary
- ✓ Factory authorization programs and training available for owners, end-users and service professionals
- ✓ Webinars designed for consulting engineers, contractors and facility owners provide ongoing education and an in-depth review of critical space topics
- ✓ Easily accessible performance data

Quality

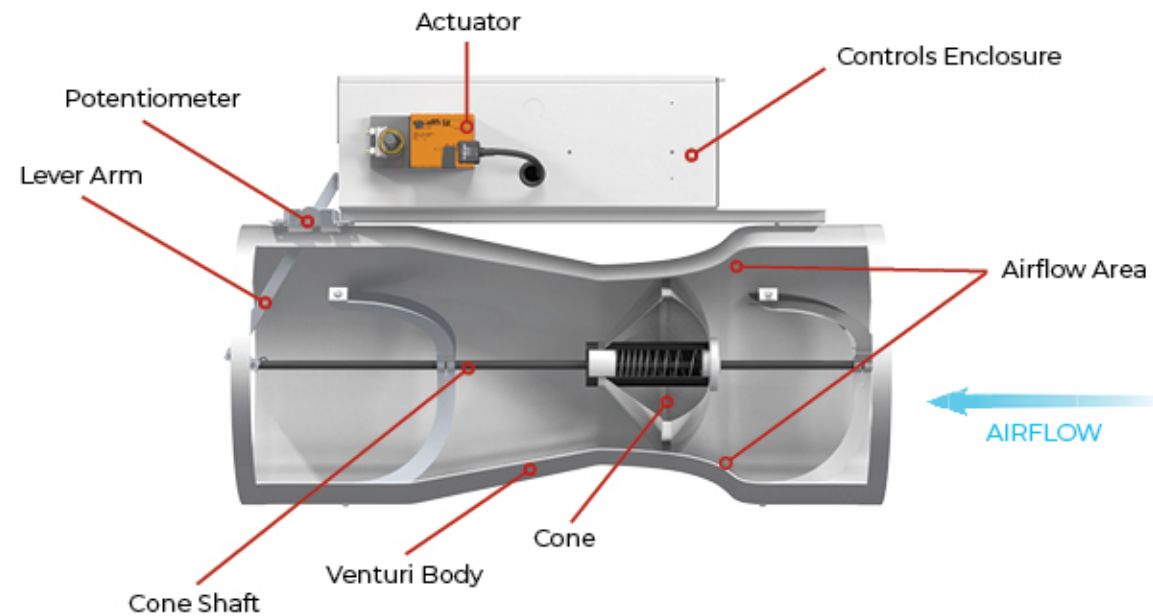
- ✓ No compromise
- ✓ Avoid supply issues and project delays with in-house engineering and manufacturing
- ✓ Standard 4-6 week lead time with 99% on time delivery
- ✓ Antec Controls design engineers continually upgrade products and features, keeping their technology on the cutting edge
- ✓ In-process quality control

Venturi Valve: Unmatched speed.

 Safety is never a concern.




The Venturi Valve's (VV) turndown ratio conserves energy and can reduce costs by allowing for low air volumes in spaces that traditionally use a lot of air. With the Venturi Valve, safety is never a concern due to unmatched speed of response to duct static pressure.



VV FEATURES

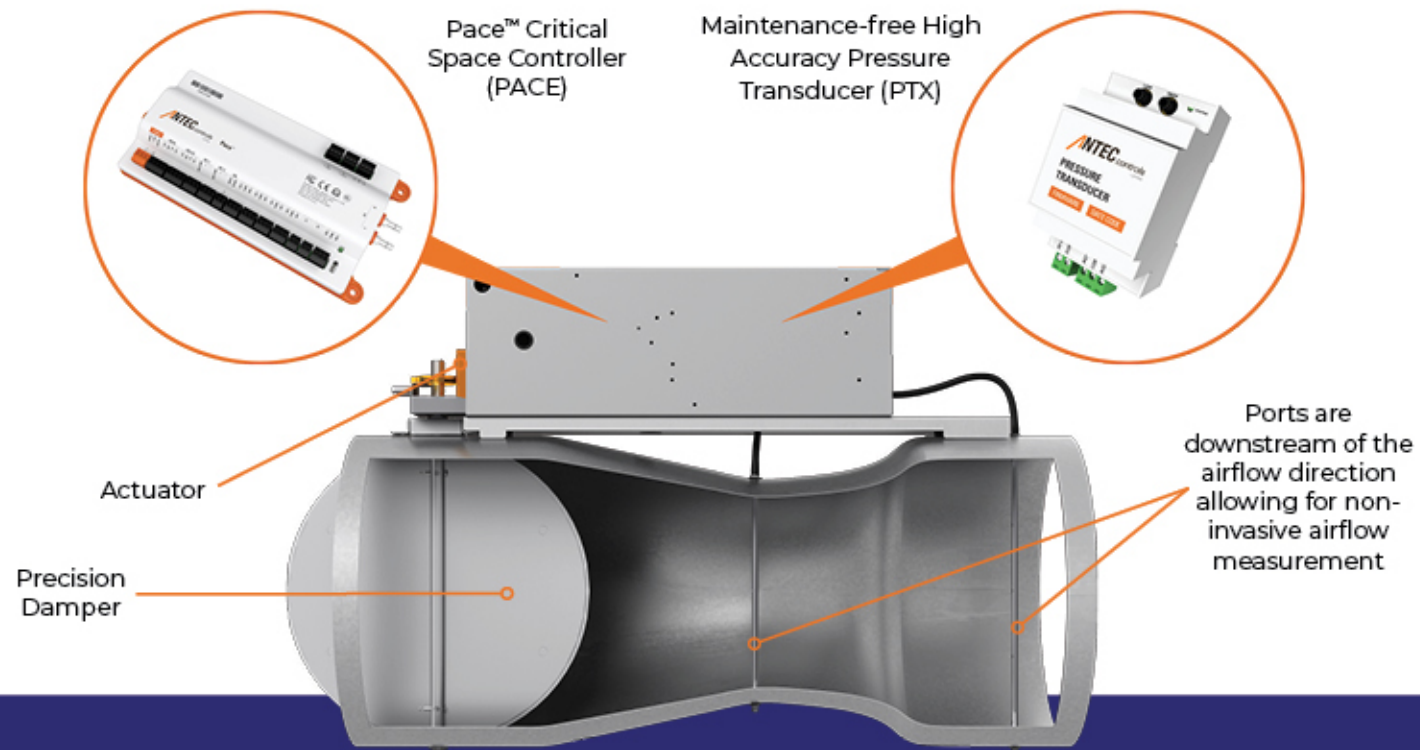
- ✓ Electronic airflow feedback prevents dust/lint contamination from deteriorating airflow reading
- ✓ Characterized and calibrated using NVLAP accredited airflow stations
- ✓ Operating pressure feedback
- ✓ Medium or low pressure operation
- ✓ 20:1 turndown ratio
- ✓ Mechanically pressure independent

Venturi FX Valve: Reliable airflow measurement.

 Achieve greater savings.



The VFX's low pressure drop allows facilities to achieve higher energy and cost savings. Its simple design has the ability to seamlessly integrate into systems currently using terminal units, while allowing the end user to save money.



VFX FEATURES

- ✓ Controlled accuracy within +/-5% of measured airflow when using Antec Controls
- ✓ High speed or standard speed actuation
- ✓ 10:1 turndown ratio
- ✓ Highly accurate airflow measurement
- ✓ Closed loop airflow measurement
- ✓ No straight duct inlet requirements

Study: Chicago Laboratory

 Innovation for **safer environments.**

After learning the life of the building had been extended, e.i.p. worked with facility engineers to coordinate the retrofit of existing laboratory controls to better serve occupants. Our team utilized Antec Controls Venturi Valves to ensure optimal safety, compliance and improve efficiency in a building that requires precise airflow. Work was performed in stages so the 24-hour lab could remain fully operational during installation and upgrades. e.i.p. helped coordinate the efforts of all trades involved and provided start-up, certification and training for facility engineers.

This project maintained strict adherence to ASHRAE, ANSI and other national and local codes, standards and best practices.



Project Outcomes

- Improved occupant comfort and safety
- Eliminated frequent nuisance calls/complaints from lab technicians
- Reduced operating expenses by eliminating the need for spot coolers during warmer months
- Space pressurization is now measured and controlled
- Energy savings


“Antec Controls air valves and monitors are highly accurate and straightforward. They’re among our preferred devices to work with.”

- Jackie Squires
CEPro Test and Balance

“We have been able to maintain lab pressure and eliminated hot/cold calls from occupants ever since the Antec valves were installed.”

- BAS Engineer

You're not alone. We're good at this.

 We have a reputation.

Laboratories and other critical spaces throughout the country house hundreds of employees. These critical environments require best-in-class products. Rely on e.i.p. to deliver quality solutions to enhance building health and increase energy savings.

See more e.i.p. critical space projects:



60%

Heating, cooling and moving air in a lab typically accounts for 60-70% of total building energy use.

- ESource

6

Standard airflow requirements for most laboratories must meet a minimum of 6 air changes per hour (ACH), compared to 2-3 for the typical office.

- ASHRAE

90%

People spend 90% of their time in indoor environments, therefore maintaining adequate indoor air quality is essential to minimize negative health impacts.

- World Health Organization

25TH

The biotech and pharmaceutical industry is the 25th largest emitter of global carbon emissions, larger even than the forestry or paper industries.

- Lab Pulse



Relationships that **work for you.**