

Critical Spaces

High Performance Air Valves



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Proven Partners

Since 1983, Energy Improvement Products Inc, (e.i.p.) has played a vital role in enhancing the indoor environment of buildings across Illinois and Northwest Indiana. We provide top-quality, high-performance products to engineers, end users, and contractors through our exclusive partnerships with leading manufacturers in the industry. Our comprehensive services include consulting, on-site assessments, tailored solutions, installation support, and training.

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?

Precise Room Pressurization | Cleaner Air | Risk Reduction | Better Control | Energy Savings | Less Wear and Tear on Mechanical Systems | Compliance with Ashrae Standards, IDPH and Local Codes

e.i.p. remains steadfast in its commitment to assisting clients in meeting their building's requirements and energy efficiency goals.



Maintain Cleaner Air

Ensure Compliance.

Proper Ventilation in Critical Spaces is essential for compliance, safety and the well-being of all occupants. Integrating high-quality Venturi Valves into your HVAC strategy will improve air quality and ensure optimal environmental conditions across all areas are achieved while significantly boosting the overall efficiency, performance and comfort of your building.

ENVIRONMENTAL INTEGRITY | SAFER SPACES | OCCUPANT COMFORT | LOWER ENERGY COSTS



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 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.**

Market Exclusivity

Antec Controls Product Benefits

- 5-Year Warranty on **ALL** Products
- BTL Listed
- BACnet Integration
- ISO 9001
- Valve Calibration Stations are NVLAP Accredited

Flexibility

- Two high accuracy valve technologies available
- Designed to meet the needs of various applications
- Complete turnkey solution through e.i.p., or option for controls by others

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

Transparency

- NON-proprietary
- 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
- Software programs available for engineers and balancers allow for design and commissioning with ease

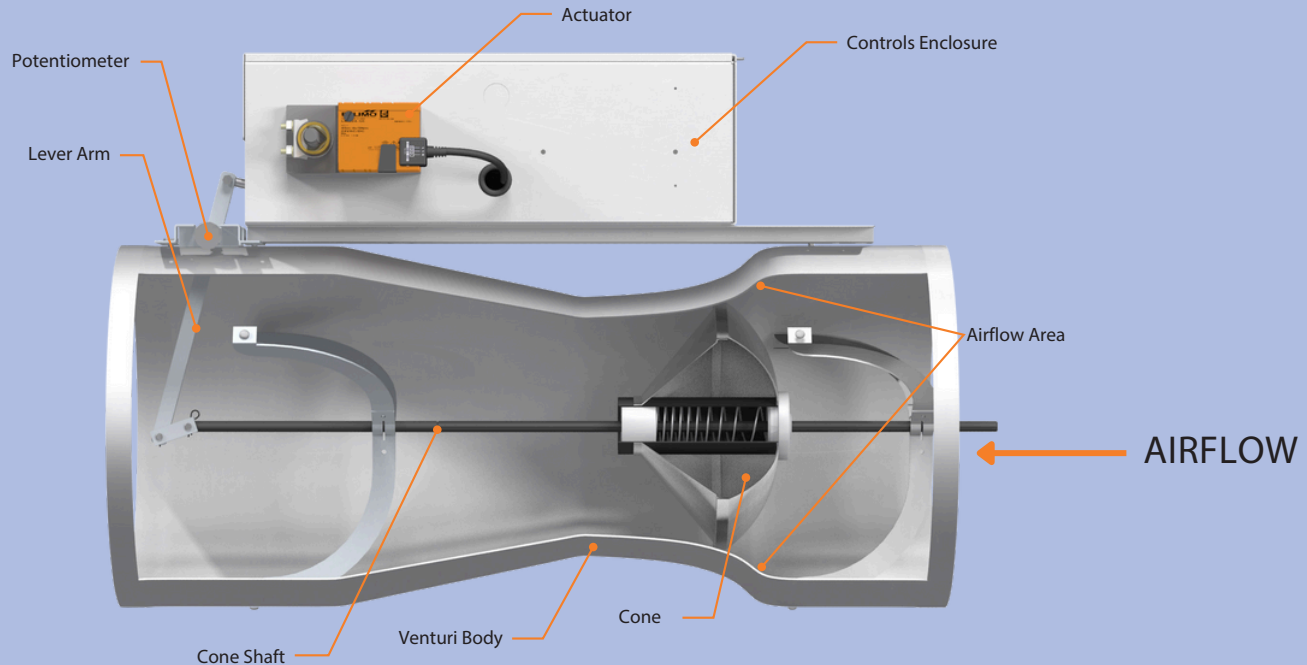


Antec Controls Develops Superior Solutions Tailored To Your Specific Needs

Antec Controls is the ONLY manufacturer in the market to offer two valve technologies; traditional Venturi Valves and high-accuracy terminals designed for precise airflow control. Both 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 pressure monitoring and temperature/humidity control. Whether your application requires pressure independence or airflow measurement, Antec Controls has the answer!

Venturi Valve: Unmatched Speed

Antec Control's Venturi Valve (VV) features a turndown ratio that conserves energy and can significantly reduce costs by allowing lower air volumes in areas that typically utilize high airflow. With the VV, safety is never compromised due to its unmatched speed of response to duct static pressure and its highly accurate, mechanically pressure-independent design.



VV Features

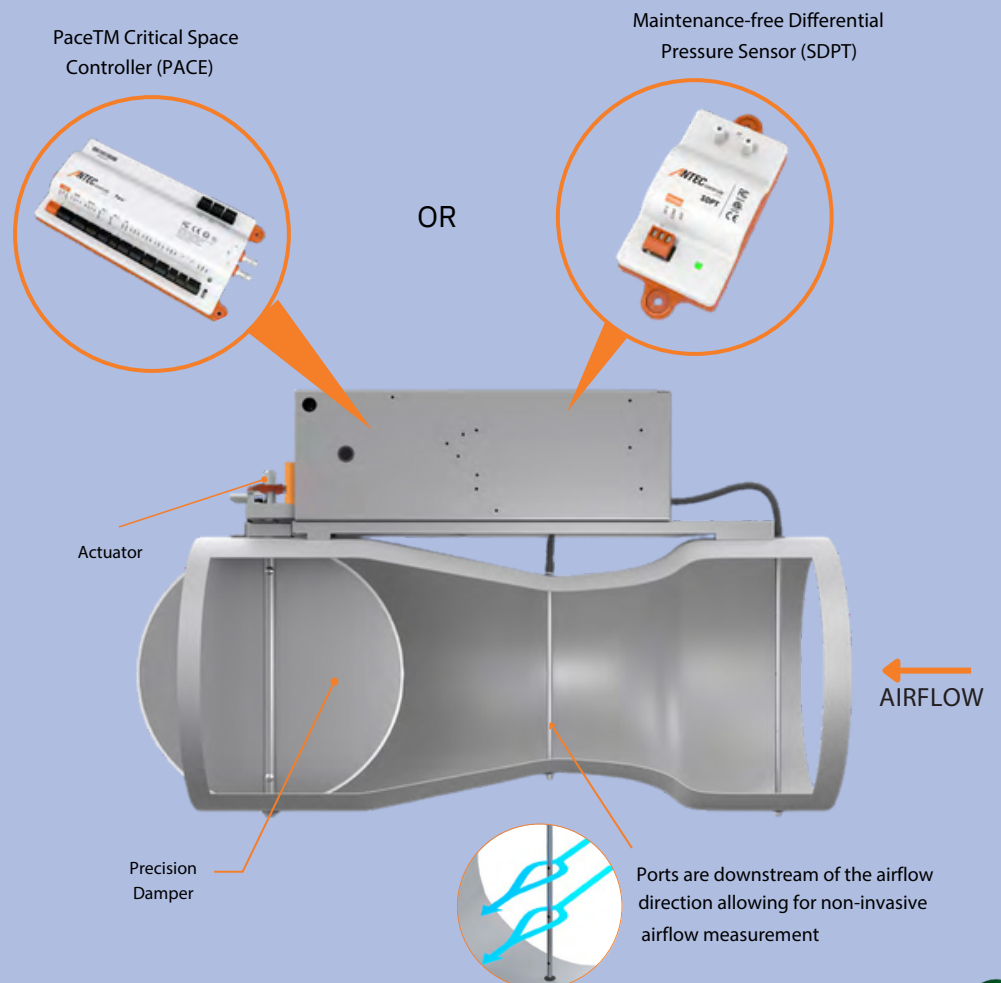
- Electronic airflow feedback prevents dust/lint contamination from deteriorating airflow reading
- Operating pressure feedback
- 20:1 turndown ratio
- Mechanically pressure independent
- Medium or low pressure operation
- Characterized and calibrated using NVLAP accredited airflow stations

Venturi FX Valve:

Antec Control's Venturi FX Valve (VFX) is designed primarily for room pressure control in healthcare and laboratory applications. Its straightforward design integrates seamlessly with systems currently using terminal units while achieving precise airflow measurement and control. The VFX low-pressure drop enables facilities to achieve significant energy and cost savings.

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



CASE STUDY

Chicago Laboratory: Innovation for safer environments

After learning the building's lifespan had been extended, e.i.p. collaborated with facility engineers to retrofit existing laboratory controls, improve occupant comfort and optimize working conditions. Our team utilized Antec Controls Venturi Valves to ensure optimal safety, compliance and efficiency within a building that requires precise airflow. Work was carried out in stages to keep the 24-hour lab fully operational during the installation and upgrades. e.i.p. coordinated the efforts of all trades involved and provided start-up, certification and training for the facility engineers to ensure peak performance and an overall successful outcome.

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



“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 eliminate hot/cold calls from occupants ever since the Antec valves were installed.”

-BAS Engineer

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

A photograph of the Chicago skyline, featuring the Willis Tower, with a park and a lake in the foreground. The image is used as a background for the infographic.

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

500,000

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

-OSHA.gov



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

Healthcare Facilities throughout the country serve hundreds of thousands of patients, employees and visitors 24/7. These critical environments require best-in-class products and support. Rely on e.i.p. to deliver quality solutions to enhance building health and increase energy savings.

We have a reputation
www.eip-hvac.com



e.i.p.

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