

Accel II[®] Airflow Control Valves - True Pressure Independence

Anything less may cost you more...

When a building has critical airflow control requirements, testing, adjusting, and balancing (TAB) can be difficult and time-consuming. Without the right airflow control device, you may find yourself doing it over and over. Eliminate these redundant efforts by installing the Accel[®] II venturi valve. Its true pressure-independent performance and factory characterization save time and money by reducing TAB time and ensuring stability in room pressurization.

Reduced testing and balancing...

TAB time is drastically reduced with the Accel II venturi valve because every valve is factory characterized with a 48-point flow curve on NVLAP accredited airstations (Lab Code 200992-0). This means that as soon as the valves are installed, most of the system commissioning can be completed before the HVAC system fans are ever turned on.

Ensured system stability...

Long-term stability is assured with true pressure-independent performance. Once the building system is running, conditions will change and so will system static pressures. The Accel II valve's unparalleled pressure-independent performance pays dividends with consistent airflow control accuracy and room pressurization. This high-performance, airflow-metering device is the foundation of every airflow control system we provide. We are so confident in its performance that it's backed by a five-year warranty.

- Long-term system stability assured with true pressure independence
- Factory characterization reduces TAB time
- No routine maintenance



Vantage Benefits

NVLAP Accreditation

All venturi valves are characterized on NVLAP Accredited Airstations, Lab Code 200992-0. NVLAP is administered by the National Institute of Standards and Technology (NIST).

OSHPD Certified

This device is certified for OSHPD Seismic Certification Preapproval per 2013 CBC, 2012 IBC, ASCE 7-10, and IEC-ES-AC-156. OSHPD Special Certification number OSP-0290-10.

ISO

Phoenix Controls Designs, Develops, Manufactures, and sells products, systems, and service to control the environment and airflow of critical spaces. Phoenix Controls is registered to ISO 9001:2015.

Warranty

Phoenix Controls Warrants all venturi valves against defects in material and workmanship for a period of 5 years. In addition, all other equipment manufactured by Phoenix Controls, such as sash sensors, fume hood monitors, and equipment supplied but not manufactured by Phoenix Controls is covered by a 3 year warranty.

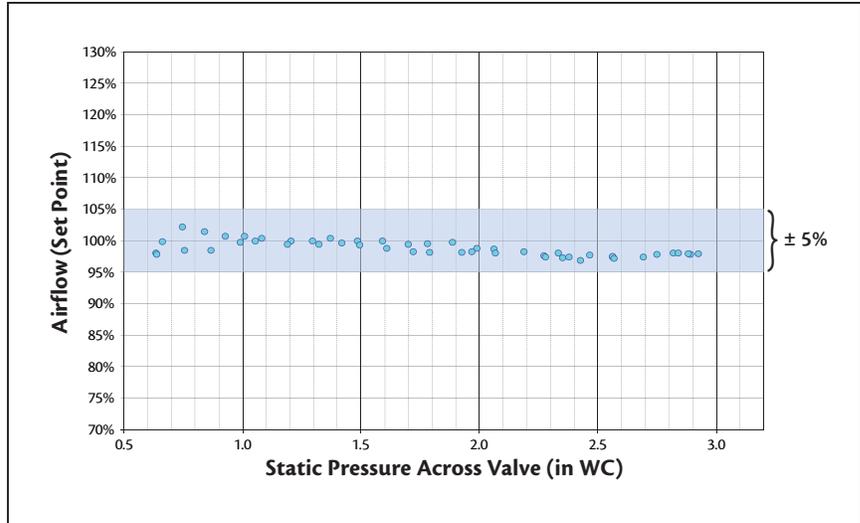


True Pressure Independence

30 years of Phoenix Controls design innovation is engineered into Accel II venturi valves, delivering true pressure-independent performance—the ability to control airflow accurately regardless of changes in static pressure. As a result, the Accel II valve outperforms similar valves on the market; **consistently delivering safety and savings!**

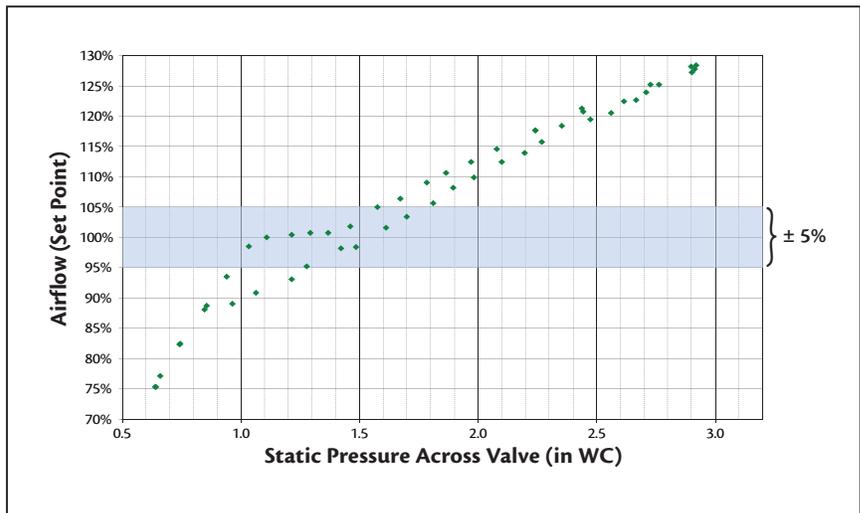
Phoenix Controls Accel II Venturi Valve

When demands are made on building HVAC systems, static pressures change. The Phoenix Controls Accel II venturi valve automatically compensates to maintain flow control accuracy within $\pm 5\%$ of the flow setpoint, independent of changes in system static pressure.



Other Venturi Valves

Not all venturi valves are truly pressure independent. So, when static pressure changes, the airflow volume changes as well. The end result can be compromised directional airflow, room pressurization, and safety; or a long, costly TAB to re-balance the system.



For additional information and a listing of our global offices, please visit our web site at www.phoenixcontrols.com or call (800) 340-0007. Phoenix Controls is a business of Honeywell International, Inc.

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