



PROJECT SHOWCASE

PROJECT OVERVIEW

The LuHi project, a state-of-the-art Educational chemical laboratory facility, successfully integrated advanced HVAC solutions by Antec Controls to ensure optimal indoor air quality (IAQ) and safety for its staff & students. This project highlights the collaboration between Kohler Ronan, LLC, the mechanical engineer, BV Mechanical, the mechanical contractor and ADE Group the Manufacturers Representative.

KEY FEATURES OF THE ANTEC CONTROLS VENTURI VALVES

- **Pressure Independence:** These valves are mechanically pressure independent, ensuring consistent performance regardless of system pressure variations.
- **High Accuracy:** They offer controlled accuracy within $\pm 5\%$ of measured airflow.
- **No Straight Duct Requirements:** The valves do not require any minimum distance of straight duct on the inlet or outlet, making them versatile for various installation scenarios.
- **Open Loop Airflow Measurement:** This feature ensures continuous and accurate monitoring of valve position.
- **Electronic Airflow Feedback:** Prevents dust and lint contamination from affecting airflow readings.
- **Medium or Low Pressure Operation:** Suitable for different pressure ranges, enhancing their adaptability.
- **High-Speed or Standard Speed Actuation:** Provides flexibility in response times based on specific application needs.

Benefits Realized

- **Enhanced Safety:** The Antec Controls & Venturi Valves ensures effective fume hood exhaust control, significantly reducing the risk of hazardous chemical exposure.
- **Optimal IAQ:** The system maintains safe indoor air quality levels, protecting the health and well-being of the laboratory staff.

Installation Highlights

- **Seamless Installation & Commissioning:** The installation & commissioning process went seamlessly. Zero Complications produced a quick and effective turnover.

PROJECT CHAMPIONS

MEP/AV/IT/Security Engineer-
Kohler Ronan, LLC

Architect -
Sage and Coombe Architects

Mechanical Contractor-
BV Mechanical

Manufacturers Representative-
ADE Group

Project Information:

LuHi
(L.I. Lutheran Middle & High School)

131 Brookville Rd.
Brookville, NY 11545

Specified Manufacturer:
Antec Controls by Price

Specified Model:
VV- Venturi Valves with
Controls, Actuators &
Sensors

Conclusion

The successful design and implementation of the Antec Controls package at the LuHi Facility showcases the superior quality, seamless commissioning, and remarkable effectiveness of Venturi Valve Technology. This project not only meets stringent laboratory safety standards but also ensures users can operate confidently and without constraints.

