



Pittsburgh Air Systems, Inc. cordially invites you to attend a seminar on Laboratory HVAC Systems. The seminar will provide design and product information for:

- Exhaust Fan Systems; Design Considerations
- Laboratory Controls: Airflow, Fume Hood Face Velocity and Room Pressurization
- Low Velocity Supply Air Systems for Superior Hood Capture

Certificates of Attendance will be provided

Kindly RSVP by August 27, 2010

Fax: 412-539-1245 Phone: 412-539-1234

Agenda

Continental Breakfast:

7:30 am - 8:30 am

Technical Sessions:

Session One - 8:30 am - 9:30 am

Break - 9:30 am - 9:45 am

Session Two - 9:45 am - 10:45 am

Break - 10:45 am - 11:00 am

Session Three - 11:00 am - 12:00 pm

Lunch:

12:00 pm - 1:00 pm

All Seminars Will Run Concurrently



Laboratory exhaust fan systems shall be discussed, including industry standards, design references and third party performance certification (AMCA). Various Greenheck Vektor lab fan systems and their benefits shall be presented with emphasis on the benefit to the consulting engineer and the facility owner / operator, particularly focusing on system performance, performance validation, system reliability, maintenance, and safety and energy conservation.

Facilitator - Tony Rossi

Anthony (Tony) Rossi, is Director of Laboratory Exhaust Systems, Greenheck Fan Corporation, Schofield, Wisconsin. Tony has a Bachelors & Masters degree in Mechanical Engineering, and has over 30 years experience in the industrial ventilation industry, the past 15 dedicated to laboratory ventilation. An active member in ASHRAE TC 9.10, Lab Systems, Tony has also served on both ASHRAE and ARI standards development committees, as well as the Education Committee Chair for ASHRAE Central Indiana.



Developed as an alternative to conventional critical environment diffusers, the LabSox product family consists of a wide variety of product configurations which can reduce turbulence from supply air in critical environments. The product category features our Surround Flow airflow model, wherein the supply air is introduced through a shaped fabric panel that yields a uniformly diverging airflow pattern that can best be explained as a perfect blend of conventional radial flow and laminar flow. The presentation includes smoke test comparisons between metal and fabric systems. It will also



explain the standard product options and will show examples of applications with new or retrofit applications.

Facilitator - Nick Paschke

Nicolas (Nick) Paschke is the New Product Sales Specialist focused on high tech product options such as LabSox, Under Floor Sox and KitchenSox for DuctSox Corporation. Nick specializes in developing air dispersion systems using textiles to provide efficient, healthy and comfortable environments. He holds a BS degree in Mechanical Engineering from University of Wisconsin - Platteville. Since 1995, Nick has been instrumental in developing the building market acceptance of textile for air dispersion. With a focus on innovation, Nick is also listed as an inventor for at least seven US and International patents.



TRIATEK TRIATEK, founded in 1985, is a growing privately held company based in Norcross, Georgia. TRIATEK manufactures a complete line of digital control products for laboratories, hospitals, vivariums and other facilities that require precise airflow or room pressurization control. The presentation will include Fume Hood Face Velocity Control, Air Flow Control through the use of Venturi style air valves, and Room Pressurization Control. TRIATEK digital products integrate with LON, BACnet and MODBUS network protocols.

Facilitator - Chad Dunn

Chad is responsible for TRIATEK's Worldwide Distribution Network and has over 11 years of experience with TRIATEK working with specifying engineers and end users to help design systems requiring critical air flow and pressurization controls. During his tenure, Chad has managed many complex installations, including projects with over 1000 installed venturi air valves.





Topics Under The Microscope

Exhaust Systems

- Dilution Rate and Plume Height
- Belt vs. Direct Drive Design
- Maintenance Issues

Laboratory Controls

- Venturi Air Valve Design
- Fume Hood Face Velocity Control;
Open Loop vs. Closed Loop
- Room Pressurization Control

Supply Air Distribution Systems

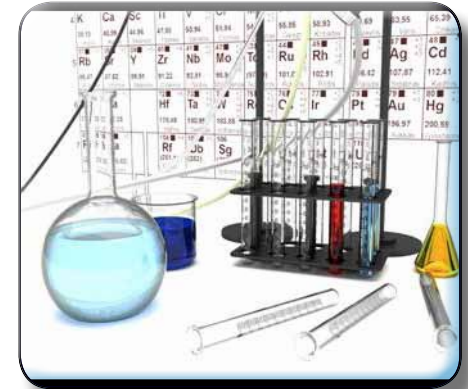
- Hybrid Laminar/Radial Flow
- Low Discharge and Terminal Velocities
- Low Noise
- Retrofit Applications
- Custom Air Flow Pattern Designs

Kindly RSVP By August 27, 2010
Names of Attendees: _____

Company: _____
Please Fax to 412-539-1245 or
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Call Sandy @ 412-539-1234

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Laboratory Systems Seminar

Thursday, September 16, 2010
Radisson Hotel Pittsburgh
101 Radisson Drive
Pittsburgh, PA 15205
412-922-8400