



Price Technical University North

The Price Technical University North (PTUn) training program provides Consulting and Design Engineers with the training needed to specify and select HVAC equipment to best meet their design criteria. The training program has been structured to discuss building HVAC systems and products in an environment that allows hands on demonstration of the technical information presented during the session.

The program has been structured to allow a progression from the fundamentals to advanced and specialized systems. The training sessions below are listed in the suggested order to allow the engineer to build upon the technical knowledge gained in previous sessions. However, there are no prerequisite sessions. You can attend the sessions in any order.

The training sessions will be offered throughout the year. Upcoming sessions will be posted on the Price Winnipeg Sales website (www.pricewinnipegsales.com). Also anyone signed up for the monthly newsletter will be notified of the next session via email.

Training Sessions

Air Distribution (Overhead Mixed Systems)

Duration: 4 hrs

This is an introductory session to the conventional overhead mixed flow HVAC system. The session will cover grilles, registers and diffusers in detail. Air distribution fundamentals, product selection process, component airflow characteristics and acoustics will be discussed.

The attendees will be given a tour of the Flow Visualization Room where the products discussed will be “smoke tested” providing a visual demonstration of the product’s flow characteristics.

Terminal Units, Pressure Bypass Units and Controls

Duration: 4 hrs

In is session, the various terminal unit and pressure bypass families, applications and selection procedures are discussed. Unit controls will also be introduced.

The attendees will be given a tour of the testing area where the products discussed will be operated providing a visual demonstration of the product’s functional characteristics.

HVAC System Controls

Duration 4 hrs

This is an in-depth technical session discussing the various configurations, selection procedures, performance and operation of the controls offered by EH Price. The session will also discuss



pneumatic, electric and electronic control systems for various HVAC components including terminal units, roof top units and electric duct heaters.

The attendees will be given a tour of the Controls Training Room where the controls products discussed will be demonstrated.

Silencers

Duration 8 hrs

This is an in-depth session that will cover sound transmission theory, types of system noises to expect, acceptable sound levels, types of sound attenuators, silencer selection both manually and using the selection software, specifying silencers, silencer product review and hands on testing in the sound lab.

The attendees will be given a tour of the Silencer demonstration area where the various silencer products discussed will be demonstrated.

Radiant Systems

Duration: 2 hrs

This session is dedicated to the various Price radiant products, their design principals and applications. A review of the selection process, expected performance, humidity control and limitations will also be discussed.

The attendees will be given a tour of the product development and testing facilities to experience the various radiant products in heating and cooling applications.

Displacement Ventilation

Duration: 2 hrs

This session discusses displacement ventilation components, their design principals and applications.

The attendees will be given a tour of the Flow Visualization Room where the products discussed will be “smoke tested” providing a visual demonstration of the product’s flow characteristics.

Critical Environments

Duration 4 hrs

This is an introductory session for products used in specialized or critical environments such as hospital operating rooms, MRI rooms, clean rooms and laboratories. The session will cover the products typical applications and performance characteristics.



The attendees will be given a tour of the Flow Visualization Room where the products discussed will be “smoke tested” providing a visual demonstration of the product’s flow characteristics.

Underfloor Air Distribution

Duration: 2 hrs

This is a technical session dedicated to underfloor ventilation components, their design principals and applications.

The attendees will be given a tour of the Flow Visualization Room where the products discussed will be “smoke tested” providing a visual demonstration of the product’s flow characteristics.

Manufacturer’s Training Sessions

The following training sessions can be provided upon request and tailored to meet the specific needs of your firm. Please contact Doug Castor at dougc@price-hvac.com (982-2220) for more details.

Greenheck Fan and Ventilators

Duration: 8 Hrs

This training session is hosted by Greenheck engineering personnel at our facilities. The session will provide:

- an overview of the fan products for exhaust, supply, recirculation and gravity applications.
- fan selection process based on application
- fan performance and system dynamics

There will also be fan products on hand for the attendees to examine.

Greenheck Make Up Air, Energy Recovery, Air Handlers and Fan Coils

Duration: 8 Hrs

This training session is hosted by Greenheck engineering personnel at our facilities. The session will provide product overview, theory of operation, optional equipment and function and control systems.

There will also be products on hand for the attendees to examine.



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Greenheck Commercial Kitchen Ventilation Systems

Duration: 8 Hrs

This training session is hosted by Greenheck engineering personnel at our facilities. The session will cover the basic theories, design and performance calculations, product types and applications for commercial kitchen ventilation, fire suppression and make up air systems.
