

## General Information

- Instructors:** Courses are taught by experienced HVAC professionals using materials developed exclusively by our staff.
- Class Hours:** Class hours are 8:00 a.m. to 4:30 p.m. (including last day) . Homework is assigned. When making travel arrangements, be aware students must attend course in full to obtain credit. **Departure flights**, if applicable, should be no earlier than 6:00 p.m. the last day of class.
- What to Wear:** Dress is business casual (**shorts, T-shirts as outer wear, and open-toed shoes are not acceptable**).
- Registration:** Fill out the registration form carefully **and completely**. The information provided will be used to create your certificate of completion. **If you are paying by credit card, do not include credit card information on the registration form (type words “credit card” under Comments)**. Further instructions will follow with the confirmation letter that you receive.
- Confirmation:** We will confirm your registration with a confirmation letter and provide detailed information. Vertiv Canada reserves the right to reject any application.
- IMPORTANT: Please do not make travel arrangements until you receive a confirmation from us.**
- Registration fees are in Canadian dollars and cover the cost of the course and all of the materials the student receives in the classroom. It does not include evening meals, lodging or transportation. These arrangements are the responsibility of the student. Lunch is provided.
- Vertiv Canada reserves the right to change class dates or cancel classes. If we have not reached our minimum number of students for holding a class 45 days prior to the scheduled class date, the class will be subject to cancellation.
- Discounts:** **Multiple Students:** We offer a 5% discount on additional student registrations from the same company. (Registrations must be submitted at the same time, for the same class, same date, and same location.) First student pays regular price.
- Cancellation Policy:** We allow cancellation up to five working days prior to the start of class without penalty. If less than five working days, a penalty of 20% of the class registration fee will be charged per student. Since many of our courses have a waiting list, we charge the full course fee when someone fails to attend without informing us or cancels once the class has started. Communication of cancellation should be emailed to [donna.foy@vertivco.com](mailto:donna.foy@vertivco.com)
- Questions:** If you have any questions or require additional information, please contact us via email at [donna.foy@vertivco.com](mailto:donna.foy@vertivco.com) or phone at 905-569-8282

## DS-VS / CW / Challenger with iCOM and Networking

**Course Number:** PCT206  
**Location:** See schedule  
**Course Fee:** \$2600.00  
**Length:** 4 Days

### Description:

Focusing on DS-VS / CW / PDX / PCW and Challenger with iCOM control, the new MC condenser and other heat rejection devices, students learn through a combination of presentations plus hands-on training using a factory-built simulator. The simulator is constructed with an actual main control board, iCOM control, fuse board and temperature / humidity sensor. Topics covered are operations, programming, installation basics, commissioning / startup, maintenance, service and troubleshooting. This is a fully tested program – knowledge base and practical skills - passing is 80% or better. Homework assignments are part of the session curriculum.

### Who Should Attend:

Course is for the experienced HVAC technician responsible for startup and warranty repairs on the specified Liebert equipment. All Factory Trained Technicians (FTT) must attend this course every three years to maintain Liebert FTT status on this product.

### Format:

Participants will learn via instructor-led presentations, demonstrations, hands-on lab sessions, programming, troubleshooting and written assessment (passing is 80% or better).

### Learning Outcomes:

- Identify large Thermal Management Products and their model variation
- Procedures for installation and start up
- Navigate through iCOM controls
- Implement iCOM temperature-humidity programs
- Utilize iCOM programming menus, screens and icons
- Program, diagnose and troubleshoot with the large display
- Perform basic unit-to-unit and multiple unit networking
- Completion of this course will authorize the student to perform startups, maintenance and warranty work on units covered in this class.

### Credit and Requirements:

- HVAC experience required to enhance the learning experience
- To receive credit, students must meet minimum course standards including an 80% score on the written assessment.
- Qualifies for FTT renewal in the Thermal Management Partner Program  
Authorization is good for three (3) years
- **This class or the PCT250 is a prerequisite for the PCT401, and PCT450 classes**



## DSE Cooling Products

**Course Number:** **PCT207**  
**Location:** **See schedule**  
**Course Fee:** **\$2100.00**  
**Length:** **3 Days**

### **Description:**

This course covers the DA unit, Micro Channel Condenser (MC) and the new EconoPhase Pumping System (PRE). Students will enjoy an active class that will incorporate the presentations plus hands-on training using factory built simulators, constructed with actual main control board, iCOM control, fuse board and temperature / humidity sensor. Topics covered are Operations, Programming, Installation Basics, Commissioning / Startup, Maintenance, Service and Troubleshooting. This is a fully tested program, which consists of knowledge base and practical skills (passing is 80% or better). Homework assignments are part of the class curriculum.

### **Who Should Attend:**

Class is for the experienced HVAC technician that will perform startup, maintenance and warranty repairs on the DSE cooling product.

### **Format:**

Participants will learn via lecture-led presentations, demonstrations, hands-on exercises, programming, troubleshooting and written assessment (passing is 80% or better).

### **Learning Outcomes:**

- Identify large Thermal Management products and their model numbers
- Procedures for installation and start-up of DA, MC and PR Thermal Management products
- Navigate through iCOM controls
- Implement iCOM temperature-humidity programs
- Utilize iCOM programming menus, screens and icons
- Program, diagnose and troubleshoot with the large display
- **Prior to being authorized to do startups on equipment, there are additional requirements necessary to meet factory trained status, as noted in document Precision Cooling Partner Program (120.11).**

### **Credit and Requirements:**

- To receive credit, students must meet minimum course standards including an 80% score on the written assessment.
- Qualifies for FTT renewal in the Precision Cooling Partner Program.
- HVAC experience required to enhance the learning experience
- Authorization is good for three (3) years.



## Training Registration Form

<b>Student Information:</b>		
Student Name:		
Company:		
Company Address:		
City:	Province:	Postal Code:
Student Email Address <b>(Required)</b> :		
<b>Contact Information:</b>		
Name:		
Phone:	Fax:	
Contact Email Address:		
<b>Class Information:</b>		
Class Code:	Class Date:	
Location:	Registration Fee:	
<b>Billing Address and Method of Payment:</b>		
Cheque No.:	Purchase Order No.:	
Company:		
Address:		
City:	Province:	Postal Code:
Attention:		
Tax #		
Comments:		

Upon receipt of this form, an email will be sent to notify you that we have received your registration form. A confirmation will be sent to you once we have met our minimum number of students to hold the class. Do not make any travel plans until you have received your conformation.

For additional information, please contact us at [donna.foy@vertivco.com](mailto:donna.foy@vertivco.com) or 905-569-8282.

## 2018 Training Schedule

2018	PCT206	PCT207	LOCATION
October	9 - 12		Vancouver
November	6 - 9		Mississauga
November		27 - 29	Montreal

Additional courses may be added as trainers become available.

**\* If we have not reached our minimum number of students for holding a class 45 days prior to the scheduled date, the class will be subject to cancellation**