



# Air & Water-Cooled Screw Chiller Maintenance, Operation & Service Course



*Maintenance, operation, service, trouble shooting, and performance analysis of Daikin Screw chillers*

Daikin Applied is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.



# Air & Water-Cooled Screw Chiller

## Maintenance, Operation & Service Course

### Course Location

Daikin Applied  
207 Laurel Hill Road  
Verona, VA 24482  
PH: 540-248-9646  
FAX: 763-509-7663

### Course Fee

\$1,750

### Course Length

4.5 days

### CEU's Offered - 3

Yes  No

Testing Required

Yes  No

### 2017 Course Schedule

May 15 - 19

Aug 21 - 25

### Registration Deadline

Apr 28

Aug 4

The training fee is 10% higher for registrations received after the deadline.

### Daikin Learning Institute will provide

Instruction Materials

Coffee Breaks

Lunch

Group Dinner on first night

## Daikin Air & Water-Cooled Screw Chiller Maintenance, Operation & Service Course

The Air & Water-Cooled Screw Chiller Maintenance, Operation and Service Training Course is structured to provide basic classroom instruction, demonstrations, and "hands-on" exercises designed to familiarize the student with the product features, operation, maintenance and service requirements for DaikinScrew chiller products. The standard program for the maintenance, operation and service seminar is four and one-half days of intensive training.

The products covered in this seminar will be the AGS, AWS & AWV air-cooled Screw chillers and the WGS water-cooled chiller Screw chiller.

### Learning Outcomes:

Upon successful completion of this course, students will be able to:

- Define and analyze the basic cycle of air and water-cooled chillers
- Distinguish the difference between DX and flooded evaporators
- Describe Screw compressor & chiller design & components
- Identify different types of chillers and their manufacturing processes during a plant tour and product review
- Interpret electric schematics
- Identify and operate MicroTech® Microprocessor controls for AGS, & AWS during hands-on lab sessions
- Assess Electronic Expansion Valve (EXV) operation
- Diagnose and maintain Solid-State, Wye Delta & VFD Starters
- Perform general maintenance and service, evacuation, refrigerant & oil-charging procedures
- Analyze operational data using log sheets and fault history
- Secure removal and replacement of compressors and compressor drives
- Distinguish between the different software versions for specific Daikin Applied products
- Identify chilled-water and condenser-water systems

Upon completion of this training course, students will be provided access to the Daikin Applied Technical Response Center for technical assistance on Daikin Screw chiller products.

## Daikin Learning Institute Safety Statement

The goal of Daikin Learning Institute is to provide product specific training and information necessary to establish a high level of proficiency in operating and servicing Daikin products. While product specific safe work procedures are built into our training program, knowledge and formal training of an applicable safe working culture, competency, practices and procedures for working in the HVAC field is the obligation of the employer and individual prior to attending Daikin Applied equipment training.



# Air & Water Cooled Screw Chiller

## Course Application Form

### Daikin Learning Institute Service Training Registration Form

Course Title: \_\_\_\_\_

Dates: \_\_\_\_\_

Course Location: \_\_\_\_\_

Company Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Student Name: \_\_\_\_\_ Email: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

Submitted By: \_\_\_\_\_ Email: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

### **Please Specify Payment Option Below And Complete All Information.**

Company Name: \_\_\_\_\_

Billing Address: \_\_\_\_\_

Contact: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

PURCHASE ORDER: (Purchase Order MUST accompany registration)  CHECK (Due prior to start of class)

CREDIT CARD:  Master Card  VISA  American Express  Discover (Novus)

Card Number: \_\_\_\_\_ Expiration Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Cardholder Printed Name: \_\_\_\_\_

### **Payment is due in advance or student(s) will not be admitted.**

Mail copy of application form and check to:  
Daikin Applied/ Attn: Daikin Learning Institute  
P.O. Box 2510  
Staunton, VA 24402-2510

Fax application, copy of purchase order/check to:  
Linda Custer at 763-509-7663  
E-mail to:  
[linda.custer@daikinapplied.com](mailto:linda.custer@daikinapplied.com)

*Daikin Learning Institute reserves the right to make changes or alternations to the course content or schedule, and is not responsible for fees associated with changing dates or cancellation of classes. In the unlikely event of a schedule change or cancellation, our best effort will be made to notify all registrants in a timely manner.*