



Centrifugal Chiller Maintenance and Operation Course



Maintenance, operation, trouble shooting, and performance analysis of standard, non-magnetic Daikin Centrifugal chillers

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



Centrifugal Chiller

Maintenance and Operation Course

Course Location

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

Course Fee

\$1,600

Course Length

3.5 days

CEU's Offered - 2.5

Yes No

Testing Required

Yes No

2017 Course Schedule

Aug 28 - 31

Registration Deadline

Aug 11

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

Centrifugal Chiller Maintenance & Operation

This brochure lists the dates for the continuation of the highly successful Centrifugal Chiller Maintenance and Operation training program. This training course is designed to teach the maintenance technician and building engineer how to maintain, operate, troubleshoot, and analyze performance of standard, non-magnetic Daikin Centrifugal chillers.

To maximize the benefit of the course, the student should have a basic understanding of refrigeration and air-conditioning systems.

The standard program for centrifugal chiller maintenance and operation is three and one-half days of intensive training.

Learning Outcomes:

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

- Define and analyze the basic cycle of water-cooled chillers
- Identify Centrifugal compressor components and describe operation
- Identify different types of chillers and their manufacturing processes during a plant tour and product review
- Troubleshoot compressor lubrication circuit
- Troubleshoot and adjust inlet guide vane control system
- Describe MicroTech 200 control system components and function and interpret wiring diagrams, legends, symbols and notes
- Describe MicroTech II control system components and function and interpret wiring diagrams, legends, symbols and notes
- Analyze flooded evaporator with electronic expansion valve control
- Operate MicroTech® controls during hands-on lab sessions
- Identify components and describe function of Wye-Delta and Solid-State compressor starters
- Identify components and describe function of compressor VFD starters
- Optimize performance with compressor VFD controls
- Interpret and analyze operational data using MT II trends and log sheets
- Perform Centrifugal chiller maintenance

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



Centrifugal Chiller

Maintenance and Operation 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

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.