



Magnitude[®] WME Magnetic Bearing Chiller Service & Repair Course



*Service, repair, troubleshooting, and performance analysis of Daikin
Magnitude[®] WME Magnetic Bearing Centrifugal chillers*

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





Magnitude® WME Magnetic Bearing Centrifugal Chiller Service & Repair Course

Course Location

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

Course Fee

\$2,600

Course Length

4.5 days

CEU's Offered - 3

Yes No

Testing Required

Yes No

2017 Course Schedule

Apr 24 - 28

Nov 27 - Dec 1

Registration Deadline

Apr 7

Nov 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

Magnitude® WME Magnetic Bearing Centrifugal Chiller Service & Repair Course

The Magnitude® WME Magnetic Bearing Centrifugal Chiller Service and Repair Course is designed to teach the maintenance and service technician how to maintain, operate, troubleshoot, and repair the Magnitude WME magnetic bearing chillers. The standard program for the Magnitude WME Service and Repair Course is four and one-half days of intensive training.

Prerequisite:

The student should have a minimum of 5 years experience with Centrifugal chillers to maximize the benefit of this course. The Magnitude chiller uses a centrifugal compressor that has highly technical components.

Learning Outcomes:

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

- Define and analyze the basic refrigeration cycle of water chillers
- Describe magnetic bearing centrifugal compressor design & operation
- Identify different types of chillers and their manufacturing processes during a plant tour and product review
- Identify MicroTech® E control system components
- Navigate MicroTech® E for Magnitude WME software & settings
- Optimize Expansion Valve Operation (EXV)
- Describe Variable speed drive components and operation
- Assess and operate cooling tower controls with Magnitude WME Chillers
- Analyze MicroTech® E Trends information
- Evaluate system performance with condenser relief
- Diagnose and repair WME compressors
- Disassemble and reassemble WME VFD components in a hands-on lab
- Use Daikin Magnetic Bearing Tool software (computers recommended with Windows XP or later)
- Load software into unit/compressor controllers and VFD controller
- Perform general maintenance procedures

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



Magnitude[®] WME Magnetic Bearing Chiller Service and Repair 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.