



Magnitude[®] WMC Magnetic Bearing Chiller Service and Repair Course



*Service, repair, trouble shooting, and performance analysis of Daikin
Magnitude WMC 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® WMC Magnetic Bearing Chiller

Service and 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 - 3.0

Yes No
Testing Required
 Yes No

2017 Course Schedule

Jan 30 - Feb 3
Feb 27 - Mar 3
Sep 11 - 15
Nov 13 - 16

Registration Deadline

Jan 20
Feb 17
Sep 1
Nov 3

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® WMC Magnetic Bearing Chiller Service & Repair Course

The Magnitude® WMC Magnetic Bearing Chiller Service & Repair course is designed to teach the maintenance and service technician how to maintain, operate, troubleshoot, and repair Daikin Magnitude WMC Magnetic Bearing Chillers. The standard program for the Magnitude WMC Magnetic Bearing Chiller 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 this course, students will be able to:

- Define and analyze the basic refrigeration cycle of water chillers
- Distinguish the three different vintages of WMC chillers
- Describe magnetic bearing with VFD compressor design and operation
- Identify different types of chillers and their manufacturing processes during a plant tour and product review
- Identify and describe the hardware & software of MicroTech® II for the WMC control system
- Operate compressor monitor software interface (computers recommended with Windows XP or later)
- Optimize Electronic Expansion Valve operation (EXV)
- Describe the purpose and function of WMC part-load-balance valves
- Analyze operational data using MT II trends and log sheets
- Perform compressor repair & diagnostics
- Operate MicroTech® II controls using hands-on lab sessions
- Utilize compressor test harness (provided) for safe testing
- Perform WMC chiller maintenance
- Upon completion, student may access the compressor support website

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