MULTISTACK®

SERVICE TRAINING JANUARY - JUNE 2027



4 Day

Air-Cooled (Airstack)
Water-Cooled Modular

JAN. 11-14
JAN. 25-28
FEB. 8-11
MARCH 8-11
MARCH 15-18
APRIL 5-8
APRIL 12-15
MAY 3-6
MAY 10-13
JUNE 7-10
JUNE 21-24

5 Day

MagLev
Gen I & Gen II

JAN. 25-29
FEB. 22-26
MARCH 15-19
MAY 24-28
JUNE 21-25

3 Day

Water-Cooled
Heat Pump & Heat Recovery

MARCH 23-25
JUNE 15-17

5 Day

MagLev
Gen III & ModMag

JAN. 18-22
APRIL 26-30

3 Day

ARA/ARP

FEB. 16-18
APRIL 20-22



MULTISTACK®



AIRSTACK®



MAGLEV®



FLEXSYS™



ARA



LEVEL I COURSE

AIR-COOLED (AIRSTACK) & WATER-COOLED - MODULAR TRAINING PROGRAM

In our five day air-cooled and water-cooled modular training program, contractors and owner service technicians learn how to install, operate, maintain, and trouble shoot air-cooled and water-cooled modular chillers. Technicians who attend this course will help reduce expenses and downtime when servicing the equipment by having factory taught skills.

Participants will learn the design and controls of pCO3 controlled water and air-cooled chillers and, c.pCO controlled water and air-cooled chillers which include variable speed scroll units. Startup procedures, servicing, and off season maintenance will also be covered.

The course balances classroom theory with hands-on training. State of the art equipment, experienced instructors, and detailed training support materials assure an effective and thorough learning experience.

Technicians who complete the course and one factory supervised start-up per controller type will receive certification as a "Multistack and Airstack Authorized Service Technician" or a "Variable Speed Multistack Authorized Service Technician".

This class is necessary before either Level II class

TUITION	**$2,000.00** Includes lunches and two evening dinners. Participants are responsible for travel and hotel costs.
CLASS	8:00 am to 4:30 pm 4 days.
CLOTHING	Casual - Note, for security reasons no open toed shoes are permitted.
LODGING	Hampton Inn, Onalaska

We have reserved a block of guest rooms at the Hampton Inn in Onalaska, WI, for $104 per night plus taxes. Please make your reservations by clicking on the appropriate link below. If you require additional information, call the hotel directly (608-779-5000 ext 0). Note that reservations can be made up to 10 days before class dates.
Please make sure to press 0 to talk to a real person.

MODULAR CURRICULUM

Company history, factory tour, MSX water-cooled components, installation, and controller walk through. MSX water-cooled simulators, heat pump and heat recovery overview, ASP air-cooled components, installation and controller variations, ASP air-cooled components, air-cooled installation, ASP air-cooled controls, ASP air-cooled control simulators, MSV water-cooled components, MSV controller operational differences, maintenance, and start-up discussion.

DAY 1: pCO5 UNITS

- Company history
- Serial numbers
- ASP air-cooled components
- Air-cooled Installation
- ASP air-cooled controller variation

DAY 2: c.pCO UNITS

- ASP air-cooled simulators
- New model numbers
- c.pCO basics (program installation, board addressing, communication wiring, factory reset)
- MSV water-cooled components
- MSV water-cooled master controller walk through (all settings and operation)

DAY 3: c.pCO UNITS

- MSV water-cooled modular controller walk through (all settings and operation)
- MSV water-cooled simulators
- ASF air-cooled components

DAY 4:

- ASF air-cooled modular controller walk through (all settings and operation)
- ASF air-cooled simulators
- Start-up discussion
- Maintenance
- Wrap-up



STAND ALONE COURSE

MAGLEV GEN I & II - TRAINING PROGRAM

The MagLev® GEN I & II training programs are for contractors and owner service technicians. Students learn how to operate, maintain, modify controls, and trouble shoot MagLev GEN I & II chillers. By attending this course, students will help reduce expense and downtime when servicing MagLev equipment.

The class is in two parts which can be taken together or separate. These two parts are MagLev/Turbocor (2-day) and FlexSys® (3-day). The trainee will learn the design and controls of Turbocor compressors, its maintenance; as well as, the layout, settings, operation, and adjustments available in the FlexSys controller of the MagLev chiller.

The course balances classroom theory with hands on training, state of the art equipment, experienced instructor, and detailed training support materials assure students of an effective and thorough learning experience.

The Turbocor portion of this class runs for two days and is for those who need training on Turbocor compressors only (OEM). The FlexSys portion of the class runs three days and is for those who already have a working knowledge of the Turbocor compressor and need to know how the Multistack MagLev chiller controls the compressors differently from other manufacturers. The entire 5 day MagLev class is designed for any technician who needs the knowledge base to work on both sides of the machine (compressor and controls).

TUITION *2 Day Turbocor or 3 Day FlexSys Course*	**$1,700.00** Includes lunches and one evening dinner. Participants are responsible for travel and hotel cost.
Full 5 Day Course	**$2,400.00** Includes lunches and two evening dinners. Participants are responsible for travel and hotel costs.
CLASS	8:00 am to 4:30 pm 2, 3 or 5 days.
CLOTHING	Casual - Note, for security reasons no open toed shoes are permitted.
LODGING	Hampton Inn, Onalaska

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DAY 1
- History/compressor intro
- Factory tour
- Centrifugal basics
- Compressor components
- Compressor disassembly (Hands on)

DAY 2
- Compressor interface
- Monitoring software (SMT)
- Maintenance and troubleshooting
- Component testing (Hands on)

DAY 3
- FlexSys basics
- Controller components and layout
- User screens
- Controller settings
- Logging into a controller with a laptop

DAY 4
- Exercise 1
- Basic logic writing
- Exercise 2
- Advanced logic writing
- Exercise 3

DAY 5
- Test
- Test review



STAND ALONE COURSE

MAGLEV GEN III & MODMAG - TRAINING PROGRAM

The planned class layout for the MagLev® Gen III flooded class will introduce the students to the Turbocor TT compressor as well as the Turbocor VTT compressor. This introduction will include operation of these compressors, components, and tear down with testing of components. After the compressors, we will then begin covering the third generation FlexSys® controller and ModMag product. The controller portion of the class will include basic operation, components, and an in depth look at all of the settings.

TUITION	**$2,000.00** Includes lunches and one evening dinner. Participants are responsible for travel and hotel costs.
CLASS	8:00 am to 4:30 pm 5 days.
CLOTHING	Casual - Note, for security reasons no open toed shoes are permitted.
LODGING	Hampton Inn, Onalaska

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DAY 1
- Company history
- Factory tour
- Centrifugal basics
- TT compressor components
- TT compressor disassembly (Hands on)

DAY 2
- TIB/CIM operation
- Monitoring software (SMT)
- Maintenance & trouble shooting
- TT component testing (Hands on)

DAY 3
- VTT Ccomponents
- CIM operation
- Monitoring software (VTT SMT)
- FlexSys basics/overview

DAY 4
- FlexSys components G lll/ModMag
- FlexSys logic G lll/ModMag
- FlexSys settings G lll/ModMag

DAY 5
- Test
- Test review



LEVEL II COURSES

WATER-COOLED HEAT PUMP/HEAT RECOVERY - TRAINING PROGRAM

Prerequisite: Air-Cooled & Water-Cooled Modular Training Program

This class covers controls and operation for the heat pump and DHRC® (Dedicated Heat Recovery Chiller) with use of simulators. This class will also focus on how the controls differ between the basic heat pump, DHRC, and the VME® (Virtual Moveable Endcap) II systems (that incorporate the DHRC modules).

TUITION	**$1,700.00** Includes lunches and two evening dinners. Participants are responsible for travel and hotel costs.
CLASS	8:00 am to 4:30 pm 3 days.
CLOTHING	Casual - Note, for security reasons no open toed shoes are permitted.
LODGING	Hampton Inn, Onalaska *We have reserved a block of guest rooms at the Hampton Inn in Onalaska, WI, for $104 per night plus taxes. If you need additional information or would like to make a reservation, please call the hotel directly at **608-779-5000** and **press 0** to speak with a representative. Note that reservations can be made up to 10 days before class dates.*

DAY 1
- Components MSH DHRC
- Basic DHRC control overview
- DHRC master controller operation
- DHRC module controller operation

DAY 2
- Components MSX HP
- HP controller differences
- Components VME II, VME II
- VME II install
- VME II operation and controller
- VME II startup

DAY 3
- c.pCO controller
- MSH variable speed components
- MSH variable speed controller walk through

ARA/ARP - TRAINING PROGRAM

Prerequisite: Air-Cooled & Water-Cooled Modular Training Program

The planned class layout for the ARA/ARP will include the following: ARP (Airstack heatpump) layout, components, controllers, and operation. ARA c.pCO - controller background, program installation, file transfer, trend logs, ARA piping layout as well as refrigerant flow through piping, step-by-step current ARA software including all set points, and ARP layout controls.

TUITION	**$1,700.00** Includes lunches and two evening dinners. Participants are responsible for travel and hotel costs.
CLASS	8:00 am to 4:30 pm 3 days.
CLOTHING	Casual - Note, for security reasons no open toed shoes are permitted.
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DAY 1
- Control review
- ARP component differences
- PCo 5+ ARP controller operation

DAY 2
- ARA piping layout
- Modes of operation
- c.pCO setup
- 2nd generation ARA master controller

DAY 3
- 2nd generation ARA module controller
- Wrap-up