

The spirit and intent of this seminar program is to bring to light various engineering, application data, maintenance, service, diagnostic techniques and installation practices that the modern refrigeration / air conditioning technicians need to know, may encounter, and must overcome throughout their daily work environment.

This two day seminar program will prepare and focus the refrigeration technician on the engineering principles and various application practices involved in proper installation, operation and service techniques of both high and low pressure centrifugal compressor chillers of a 1000 tons or less in capacity along with various screw compressors that are typically used today in comfort cooling applications.

Location:  
Best Western Royal Plaza Hotel and Trade Center  
181 Boston Post Road West  
Marlborough, Mass. 01752-1883  
888-543-9500  
[www.rplazahotels.com](http://www.rplazahotels.com)

Schedule  
Registration Apr 26 2008 7:00—8:00  
Class 8:00—12:00  
Lunch 12:00—1:00 Furnished  
Class 1:00—5:00  
Testing 6:00—10:00  
Check-in Apr 27 2008 7:00-8:00  
Class 8:00—12:00  
Lunch 12:00—1:00 Furnished  
Class 1:00—5:00

Room reservations:  
On your own—contact hotel  
Registration for testing cutoff March 20,2008  
Registration with payment only.  
Testing will be Saturday after class.

For testing details and requirements.  
<http://www.natex.org/> for NATE questions  
<http://www.rses.org/> for RSES questions

NESEA of RSES  
C/O Kenneth Olson  
22 Whipple Rd  
Billerica, Mass 01821

Presented By: States  
New England Association of RSES

Mailing Address Line 1  
Mailing Address Line 2  
Mailing Address Line 3  
Mailing Address Line 4  
Mailing Address Line 5



# Chiller Service Seminar

Centrifugal  
and Screw  
System  
Fundamentals  
and  
Maintenance  
April 26,27 2008

Presented By:  
New England States  
Association of RSES

## Included Subjects

Topics covered will include, no matter which model screw or centrifugal chiller you have, it will have the following components;

Cooler / Evaporator  
Condenser  
Centrifugal or Screw compressor  
Electric drive  
Purge or Dehydrator  
Motor starters  
Controls

### Subjects Included

ARI standard 550/590 - 2003  
Unique industry terminology  
Basic chiller refrigeration cycle.  
Generally accepted rigging and safety practices  
Recommended maintenance schedules.  
How the chiller fits into the HVAC system.  
An analysis of chiller functions.  
Three phases of logging, basic, practice and problems  
Third party expertise, Oil analysis, Eddy current test  
Building systems  
Why you are here ... horrible examples  
Screw / Centrifugal chiller system, their operation  
Why maintain?  
Troubleshooting, non electrical applications  
Modernization opportunities  
Question and responses  
Summary

Topics that WILL NOT be included or discussed are:

\* The operation and / or troubleshooting of various manufacturers micro processors or BAS systems.

\* The teardown and overhaul procedures for either centrifugal or screw compressors.

\* Refrigerant conversion practices and procedures will not be discussed in depth. OEM conversion specifications should always be followed and implemented

# " Centrifugal & Screw Compressor Chiller System Fundamentals and Maintenance "

## Wesley Taylor CMS and Garth Denison CMS

RSES members realizing the Needs, Wants and Values of today's modern refrigeration / air conditioning technician have developed and are delivering this seminar program providing the Knowledge, Expertise and Experience needed to meet and exceed the seminar participant's existing know-how and expectations.

At the conclusion of this program all registered participants will receive a compact disc (CD) of the actual visual presentation in PDF format.

It is recommended that the seminar participants come prepared to take seminar notes as needed. Calculators, pens, pencils, or highlighters will not be provided.

No recording devices whether visual or audio will be allowed at any time during this educational program

This specialized educational seminar program has been developed and will be presented by both Wesley Taylor CMS of Conyers Georgia and Garth Denison CMS of Brampton Ontario.

Seating is limited.

Registration with payment only. One registration per form, feel free to copy form.

Local Contact: Kenneth Olson CMS

## Sign-up Form

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Company \_\_\_\_\_  
Phone \_\_\_\_\_

		<b>NATE</b>		Price \$250ea. _____
Service		Installation		
<input type="checkbox"/>	Core	<input type="checkbox"/>	Price \$105ea. _____	
<input type="checkbox"/>	Air Conditioning	<input type="checkbox"/>	Price \$105ea. _____	
<input type="checkbox"/>	Air Distribution	<input type="checkbox"/>	Price \$105ea. _____	
<input type="checkbox"/>	Gas Heating (Air)	<input type="checkbox"/>	Price \$105ea. _____	
<input type="checkbox"/>	Gas Heating (Hydronic)	<input type="checkbox"/>	Price \$105ea. _____	
<input type="checkbox"/>	Oil Heating (Air)	<input type="checkbox"/>	Price \$105ea. _____	
<input type="checkbox"/>	Oil Heating (Hydronic)	<input type="checkbox"/>	Price \$105ea. _____	
<input type="checkbox"/>	Light Commercial Refrigeration	<input type="checkbox"/>	Price \$105ea. _____	
<input type="checkbox"/>	Commercial Refrigeration	<input type="checkbox"/>	Price \$105ea. _____	
<input type="checkbox"/>	Senior Certification	<input type="checkbox"/>	Price \$105ea. _____	

		<b>RSES</b>		
<input type="checkbox"/>	CM Exam		Retest Price \$25ea. _____	
<input type="checkbox"/>	CMS Domestic		Price \$25ea _____	
<input type="checkbox"/>	CMS Commercial A/C		Price \$25ea _____	
<input type="checkbox"/>	CMS Heating		Price \$25ea _____	
<input type="checkbox"/>	CMS Controls		Price \$25ea _____	
<input type="checkbox"/>	CMS Commercial Refrigeration		Price \$25ea _____	
<input type="checkbox"/>	CMS Dynamic Compression		Price \$25ea _____	
<input type="checkbox"/>	CMS Electrical Fundamentals		Price \$25ea _____	
				Total:\$ _____

Signature \_\_\_\_\_

One person per registration form, feel free to copy form.

Make check out to: **New England States Assoc of RSES**

Send registration and payment to:

**NESA of RSES**  
C/O Kenneth Olson  
22 Whipple Rd  
Billerica, Mass 01821

Phone: 978-667-6455

Fax: call first

E-mail: nesa\_of\_rses@comcast.net