Arctic Chiller Group Training Program

The Arctic Chiller Group is proud to offer a training and certification course to provide technicians with the necessary skills to maintain and troubleshoot Arctic chiller systems.

This 3-day course covers the latest in Danfoss Turbocor® compressor technology, monitoring software, controllers, and Arctic chiller systems.
Maintenance Training and Certification – Service Providers

COURSE DESCRIPTION

This 3-day course is for service contractors who will maintain, service and troubleshoot Arctic Chiller Group chiller systems outside of the warranty period.

The course covers the latest in Danfoss Turbocor® compressor technology, monitoring software, controllers, and Arctic chiller systems.

DURATION
21 hours over 3 days (9 a.m. to 4 p.m.)

COURSE OUTLINE

Day 1
• Company Overview/Technology History
• Facility Tour
• Turbocor® DTC Compressor
  – Compressor overview and key features
  – Discussion on centrifugal compressors
  – Compressor in-depth
  – Compressor operation
  – DTC Service Monitoring Tool (SMT) installation

Day 2
• Controller review
  – Controller set up
  – Controller troubleshooting
  – Software installation
  – Chiller component review
  – Field server set up and operation

Day 3
• DTC SMT overview
• Compressor troubleshooting
• Chiller troubleshooting
• Technical literature familiarization
• Arctic Cool chiller forms and procedures

COMPETENCIES ACHIEVED
• Turbocor® compressors
  – TT300-TT500 components set up and troubleshooting
• Turbocor® monitoring software
  – Set up
• Arctic chiller controls
  – Set up and adjustments
• Sporlan expansion valves
  – Set up and adjustments

TWO-YEAR CERTIFICATION
Certification is valid for 2 years upon successful completion of the training course. A refresher course may be necessary to gain knowledge on new designs and technology.

Important: This course does not certify technicians to act as certified trainers for Arctic Cool chiller systems or Danfoss Turbocor® systems.

The Arctic Chiller Group reserves the right to:
1. Require additional courses or refresher training for certification to remain valid;
2. Reject applicants or refuse certification at its sole discretion if the prerequisites are not met to the satisfaction of training administrators.

PREREQUISITES
• Previous HVAC accreditation or minimum field experience
  – Documented education 1 of the following: Engineering degree, Associate's degree or Trade certificate
  – Minimum 5 years of experience with centrifugal chillers
• Adequate computer skills
  – Familiar with Microsoft Windows
- Familiar with Microsoft Office
- Ability to copy/paste files/folders
- Ability to open, create and save files
- Ability to capture screen shots
- Ability to download and install software

- Familiar with basic multi-meter functions
  - Measuring resistance (Ω)
  - Measuring voltage (V)
  - Measuring amperage (A)
  - Measuring milli-amperage (mA)
  - Measuring continuity (...)
  - Measuring diodes
  - Measuring capacities

- Laptop computer
  - Windows XP/Vista 32-bit Operating System or Higher
  - Adobe Reader
  - Microsoft Word
  - Microsoft Excel
  - Portable wireless internet access
  - NO ADMINISTRATIVE RESTRICTIONS

- English language proficiency
  - Spoken
  - Written

PREFERENCES
- Ability to read P&ID documents
- Previous electrical training
- Previous centrifugal chiller experience
- Previous VFD experience
- Previous controls experience

COST
$ 2,500 USD per person

- Price includes:
  - Danfoss Turbocor® software
  - Controller software
  - Current manuals (electronic format)
  - Hotel stay 3 nights paid, breakfast included (room and tax only)
  - Lunch 3 days
  - Dinner 2 nights

Cost is based on a maximum-sized class of 14 participants only. Payment must be made in full at least 1 week prior to the class start date through rozir@arcticchillergroup.com or call 905-789-9988.

TRAINING CLASS SCHEDULE
The following dates are tentatively scheduled for the technical training classes. Dates are subject to change.

- 14 places on the following dates:
  - January 17-19
  - February 21-23
  - March 21-23
  - April 25-27
  - May 30-June 1
  - September 26-28
  - October 24-26
  - November 28-30

LOCATION:
Arctic Cool Chillers Limited
2100 Steeles Avenue East
Brampton, ON L6T 1A7
Phone: 905-789-9988
Fax: 905-789-9945

Important: All confirmed participants will be notified 2 weeks prior to the course start date. Await your official enrollment confirmation e-mail before booking flight reservations.

If enrollment is insufficient, the Arctic Chiller Group reserves the right to cancel and/or reschedule a training course a minimum of 2 weeks prior to the scheduled course date.
Maintenance Training and Certification – Service Providers

APPLICATION FORM

Please complete and submit this form via e-mail or fax to:

Justin Weightman: justinw@arcticchillergroup.com or
Ali Khadiv: akradiv@arcticchillergroup.com or
Service: service@arcticchillergroup.com
Fax c/o Ali Khadiv at 905-789-9988, ext. 223.

Contractor
Company Name _____________________________________________________________
Contact Name ____________________________________________________________
Address / City .................................................................................................
Province / State - Postal / Zip Code ....................................................................
Office / Fax No. ____________________________________________________________

Applicant
Name ________________________________________________________________
Title ______________________________________________________________________
Cell. No. __________________________________________________________________
e-mail _____________________________________________________________________

Course Prerequisites per Applicant
Education (List degree, certification) ____________________________________________
Years of experience with centrifugal chillers (5 years’ minimum required) ______________
Adequate computer skills? Yes ______________ No ______________
Familiar with basic multi-meter functions? Yes ______________ No ______________
Laptop computer prerequisites met? Yes ______________ No ______________
Proficient in spoken/written English? Yes ______________ No ______________

Session Booking
Training dates preference __________________________________________
Purchase Order Number ________________________________________________
Method of payment ____________________________________________________

Office Use Only
Training date Session ___________________________________________________
Prerequisites confirmed _________________________________________________
Confirmed to client via: ___________________________________________________
Payment received _______________________________________________________