



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: akhadiv@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 _____