

Integrated Learning

CO₂ AS A REFRIGERANT

Two day sessions 8:00 AM–4:00 PM

Dates and Locations

October 25 and 26, 2017 Brantford, ON
December 13 and 14, 2017 Brantford, ON
April 4 and 5, 2018 Brantford, ON

Key Takeaways

Technicians will acquire the ability to:

- Understand new terminology; transcritical, supercritical, subcritical, flash gas
- Properly map a cascade and transcritical booster system
- Use best practices to service R-744 systems
- Understand the effects of gas cooler control on a system
- Optimize efficiency in warm ambient environments
- Recognize advantages of using R-744 in refrigeration



Featured Topics:

- Introduction to CO₂ as a refrigerant
- Pressure enthalpy chart differences:
 - Subcritical vs. transcritical systems
- Basic system comparisons:
 - Secondary systems (CO₂ volatile brine)
 - Hybrid cascade systems
 - Transcritical booster systems
- Safety handling and maintenance
- Charging of CO₂ system
- Oil management
- Gas cooler control
- Start-up and shutdown sequences
- Refrigerant regulations and code update

3 FOR 2

Book 2 and Get 3

Two paid registrations will qualify a company for **one additional complimentary session** of equal or lesser value.*

Registration

A fee of \$499 per person includes the hands-on course, all course materials, breakfast and lunch.

To register, please contact Kieran Wells at:

E Kieran.Wells@Emerson.com | **T** 519 756 6157 Ext 2421

*Cancellations received within one week prior to the scheduled course date will be charged the full course fee. *Some conditions apply on 3 for 2 offer.*



EMERSON[™]