



# JOHNSTONE SUPPLY

Las Vegas Store: 2319 Western Avenue, Las Vegas, NV 89102

Phone 387-6940 / Fax 387-7866

Henderson Store: 671 Middlegate Road, Henderson, NV 89011

Phone 558-2323 / Fax 566-3572

## ***Johnstone Supply Fall Training Calendar***

All classes will be held in the Johnstone Las Vegas Training Center unless otherwise specified.

### **October:**

#### **Heat Pumps** – presented by Danfoss

Wednesday, October 10<sup>th</sup> 1:30pm – 4:30pm or

Thursday, October 11<sup>th</sup>, 7am-10am (2 hrs NATE)

Cost - \$30

Topics will cover basic heat pump theory such as energy benefits and the refrigerant cycle. The reversing valve function, sizing and selection will be covered as well as filter drier/expansion valve overviews. Finally, installation considerations such as outdoor unit location, ductwork modifications and indoor coil changes will also be covered.

#### **Source™ Gas Ignition Training** – presented by Honeywell

Tuesday, October 23<sup>rd</sup>, 8am – 4:30pm (8 hrs NATE)

\*\*Training location – TBA

Cost - \$100

This full day class will cover Intermittent Pilot and Direct Burner Ignition, Honeywell SmartValve™, Water Heating Controls, and Advanced Gas Burner Controls. Skills learned will include understanding the sequence of operation, troubleshooting techniques, diagnose problems, and proper application of universal replacement controls.

#### **Ice Machine Treatment and Filtration** – presented by Nu-Calgon

Tuesday, October 30<sup>th</sup>, 7am-8:30am or

Wednesday, October 31<sup>st</sup>, 2pm-3:30pm

Cost - \$15

A complete guide to, "Extending the Life of an Ice Machine." This seminar will answer the questions; why use a filter, what filter should be used, and how to keep the system clean, clear and running properly. It addresses all the water-related problems associated with ice machines.

#### **Refrigeration Oils** – presented by Nu-Calgon

Tuesday, October 30<sup>th</sup>, 2pm-3:30pm or

Wednesday, October 31<sup>st</sup>, 7am-8:30am (1.5hrs NATE)

Cost - \$15

An in-depth look at Mineral, Alkylbenzene, and Polyolester Oils for the HVACR industry. This seminar will give the attendees a clear understanding of when and where to use each of these particular oils. Included in the training is an explanation of viscosity, thermal stability and miscibility and their importance when determining which type of oil to use for a particular system.

Please fax, call or email to reserve your space: Fax 385-4704

Monica 385-4700 x10

[TrainingNV@JohnstoneSupply.com](mailto:TrainingNV@JohnstoneSupply.com)

9/12/07



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### **November:**

**Universal Heating Controls** – presented by White-Rodgers

Tuesday, November 6<sup>th</sup>, 2pm – 4pm or

Wednesday, November 7<sup>th</sup> 7am – 9am (NATE certification pending)

Cost - \$20

This class will cover universal heating controls. Show how to create less truck stock for the contractor yet more versatility. Covers gas valves, modules, Silicone and Nitride igniters and thermostats.

**In-Depth Refrigeration Training** – presented by Heatcraft

Tuesday, November 13<sup>th</sup>, 7am – 4pm or

Wednesday, November 14<sup>th</sup>, 7am – 4pm

Cost - \$100

Topics will cover the fundamentals of refrigeration, load calculations, system selection and equipment guidelines. We will also cover the installation, troubleshooting, preventative maintenance and servicing of refrigeration systems.

**HVAC/R Motor training** – presented by Emerson

Wednesday, November 28<sup>th</sup>, 12:30pm – 4:30pm or

Thursday, November 29<sup>th</sup>, 7am – 11am (4 hrs NATE)

Cost - \$40

The outline of this class includes; basic electricity as it applies to electric motors, RPM, AC induction motor parts, motor sizes and application, new multi-horsepower "Rescue" motors. Motors and speed controls.

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### **December:**

**TXV's and Pressure charts** – presented by Parker

Tuesday, December 4<sup>th</sup>, 2pm – 4:30pm or

Wednesday, December 5<sup>th</sup>, 7am – 9:30am (2 hrs NATE)

Cost - \$20

Thermostatic Expansion Valve training program covers: Review of basic refrigeration principals, system dynamics, theory of operation, application, installation, and troubleshooting. There is also a section on using the pressure-temperature chart and analyzing an AC system using the P/T relationship.

**Solenoid Valves & Lubricants for Refrigeration** – presented by Parker

Wednesday, December 5<sup>th</sup>, 2pm – 4:30pm or

Thursday, December 6<sup>th</sup>, 7am – 9:30am (2.5 hrs NATE)

Cost - \$25

The Solenoid Valve training program covers: Review of solenoid valve types, theory of operation, application, steam & hot water valves, selection. The Lubricants for Refrigeration program covers: types of lubricants, common terms, lubricants and refrigerants, and application for various lubricants.

**IAQ** – presented by Honeywell

Tuesday, December 11<sup>th</sup>, 2pm – 4pm or

Wednesday, December 12<sup>th</sup>, 7am – 9am (2 hrs NATE)

Cost - \$20

This two hour class will define ventilation, filtration and humidification, and current industry standards for residential application and proper installation.

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