



Chimney Fundamentals **101 (Introduction)**

The Science of Venting Flue Gases

Keeping Your Customers Safe and Comfortable

Wednesday, March 2, 2016

Johnstone Supply
1401 West 94th Street
Bloomington, MN 55431



Registration 7:30 a.m. – 8:00 a.m. Program 8:00 a.m. to 12:00 p.m.

This program targets technicians and sales staff with **less than two years' experience or those wanting to **review the fundamentals** for more advanced knowledge.**

About the Class:

This program will discuss the science behind chimneys and cover the basics of codes and standards. You will learn how back-drafting affects chimney performance and the principles of positive pressure. The program will also cover the basics of air flow and its effects on furnace performance and efficiency. Carbon monoxide safety and the proper installation of venting systems will be covered. There will be a hands on demonstration to help understand the principles of how a chimney works. The program will cover:

- o Why flues rot,
- o Why derating systems can rot the system,
- o Why low air flow will rot the flue,
- o Why higher flue temperature is needed, and
- o Why positive pressure is needed in the flue.



About the Instructor:

Eric Kjelshus, owner of Eric Kjelshus Energy Heating and Cooling, Greenwood, Missouri, is a master mechanical contractor and master pipe fitter. He holds multiple certifications from North American Technician Excellence (NATE), Refrigeration Service Engineers Society (RSES), Building Performance Institute (BPI), and National Comfort Institute (NCI).



First Registrant: \$95.00 Member, \$149.00 Non-Member.
Additional Registrant(s): \$50.00 Member, \$95.00 Non-Member.

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ATTENDEE INFORMATION

(COPY FORM FOR ADDITIONAL ATTENDEES)

Name: (first) _____ (last) _____
Name: (first) _____ (last) _____
Company: _____
Address: _____
City: _____ State: _____ Zip _____
Phone: (_____) _____ Fax: (_____) _____
Email: _____

REGISTRATION FEE

	<u>Member</u>	<u>Non-Member*</u>
Attendee	\$95.00 first attendee \$50.00/additional	\$149.00 first attendee \$95.00/additional
# Attendees	_____	_____
Total	\$_____	\$_____

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Credit Card: VISA MasterCard Discover AmEx
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Check: Payable to "MHCA"

Mail, fax, or email completed registration form to:
Minnesota Heating and Cooling Association
6066 Shingle Creek Parkway, Suite 167
Brooklyn Center, MN 55430

Ph: 888-782-6815
Fax: 888-287-4116
Email: jane@assocmgmtservices.com