

Additional Participants:

Name of Participant: \_\_\_\_\_

Address: \_\_\_\_\_

Fax: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Name of Participant: \_\_\_\_\_

Address: \_\_\_\_\_

Fax: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Name of Participant: \_\_\_\_\_

Address: \_\_\_\_\_

Fax: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Name of Participant: \_\_\_\_\_

Address: \_\_\_\_\_

Fax: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_



# Contact Us



## Hydronic Heating: Fundamentals + Advanced Course Training

For Contractors, Counter Staff & Sales Representatives



Bringing People, Education and  
Technology together for a more  
Energy-Efficient, Healthy Environment

For additional course information and venue  
locations contact:

Mark McCormick  
416-938-7744  
mmccormick@armlink.com

or

Mike Smith  
519-803-7394  
msmith@armlink.com



S. A. Armstrong Limited  
23 Bertrand Avenue Toronto, Ontario Canada, M1L 2P3  
Tel: (416) 755-2291 Fax (Main): (416) 759-9101



# Course Information

# Registration Form



## Locations



LOCATION	DATE	COURSE
BARRIE BARRIE	TUE. FEB. 3 WED. MARCH 25	Fundamental Advanced
SUDBURY	WED. FEB. 4	Fundamental & Advanced
KITCHENER KITCHENER	WED. FEB. 11 WED. MARCH 4	Fundamental Advanced
HANOVER HANOVER	TUE. FEB. 24 WED. MARCH 11	Fundamental Advanced
LONDON LONDON	TUE. FEB. 17 TUE. MARCH 3	Fundamental Advanced
THUNDERBAY	TUE. MAY 12	Fundamental & Advanced
HAMILTON HAMILTON	WED. MARCH 18 TUE. MAY 5	Fundamental Advanced
BELLEVILLE BELLEVILLE	TUE. MARCH 31 WED. APRIL 8	Fundamental Advanced
PETERBOROUGH PETERBOROUGH	WED. APRIL 1 WED. APRIL 15	Fundamental Advanced
OSHAWA OSHAWA	TUE. APRIL 7 WED. MAY 6	Fundamental Advanced
OTTAWA OTTAWA	TUE. APRIL 21 WED. APRIL 22	Fundamental Advanced

Minimum Class Size : 15 participants  
Maximum Class Size : 25 participants

### COURSE VENUES TO BE ANNOUNCED

Where Fundamental & Advanced Courses are split between 2 days, course time is: 8 am - 2pm.  
Where Fundamental & Advance Courses are combined in one day, course time is: 8am - 6pm.

COST: \$69.00 + GST for Fundamental or Advance course.  
\$100 + GST for Fundamental and Advanced course.

COST INCLUDES TRAINING, MATERIALS, REFRESHMENTS AND LUNCH

COMPANY NAME: \_\_\_\_\_  
 PARTICIPANT NAME: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 PHONE # : \_\_\_\_\_ FAX # : \_\_\_\_\_  
 Additional Participants can be added on reverse.  
 Name on Credit Card: \_\_\_\_\_  
 Credit Card # : \_\_\_\_\_  
 Expiry Date: \_\_\_\_\_ Card Type:  Visa  MC  Amex

LOCATION	DATE	FUNDAMENTAL COURSE	ADVANCED COURSE
BARRIE BARRIE	TUE. FEB. 3 WED. MARCH 25	<input type="checkbox"/> ---	--- <input type="checkbox"/>
SUDBURY	WED. FEB. 4	<input type="checkbox"/>	<input type="checkbox"/>
KITCHENER KITCHENER	WED. FEB. 11 WED. MARCH 4	<input type="checkbox"/> ---	--- <input type="checkbox"/>
HANOVER HANOVER	TUE. FEB. 24 WED. MARCH 11	<input type="checkbox"/> ---	--- <input type="checkbox"/>
LONDON LONDON	TUE. FEB. 17 TUE. MARCH 3	<input type="checkbox"/> ---	--- <input type="checkbox"/>
THUNDERBAY	TUE. MAY. 12	<input type="checkbox"/>	<input type="checkbox"/>
HAMILTON HAMILTON	WED. MARCH 18 TUE. MAY 5	<input type="checkbox"/> ---	--- <input type="checkbox"/>
BELLEVILLE BELLEVILLE	TUE. MARCH 31 WED. APRIL 8	<input type="checkbox"/> ---	--- <input type="checkbox"/>
PETERBOROUGH PETERBOROUGH	WED. APRIL 1 WED. APRIL 15	<input type="checkbox"/> ---	--- <input type="checkbox"/>
OSHAWA OSHAWA	TUE. APRIL 7 WED. MAY 6	<input type="checkbox"/> ---	--- <input type="checkbox"/>
OTTAWA OTTAWA	TUE. APRIL 21 WED. APRIL 22	<input type="checkbox"/> ---	--- <input type="checkbox"/>

TO REGISTER: FAX REGISTRATION FORM TO 416-757-9377  
or go to [www.armstrongpumps.com](http://www.armstrongpumps.com) and click on HYDRONIC TRAINING.

## Instructor: Jeff House Jefcom Consultants Inc.

### Fundamentals Course: Getting into Hot Water (Hydronic Heating)

- Fundamental Concepts
- Heat Loss Basics
- Characteristics of Heat Sources
- Boiler Trim (accessories)
- Hydronic Installation Code CSA B214-07
- Basic Distribution Piping Systems

### Advanced Course: Today's Hot Water Systems

- System Piping Alternatives
- Sizing
- Specialized Applications (Radiant, Snow Melting, Heat Exchangers, etc.)
- Domestic Hot Water
- Balancing and Commissioning
- Control Strategies