

PROGRAM

- MONDAY**
- Introduction to Hydronics; Principles and Definitions**
 - Rules of Thumb for the Non-Engineer Installer**
 - Designing a Series Loop System**
 - Air Management**
 - System pressurization
 - Air separation
 - Compression tanks
 - Installation and service topics
 - Designing a System Using Bell & Gossett Monoflo® Fittings**
- TUESDAY**
- The Bell & Gossett System Syzer®**
 - Designing Radiant Panel Systems**
 - Hydronic Zone Control With Primary-Secondary Pumping**
 - Circulator Service**
- WEDNESDAY**
- Plant Tour**
 - Designing a Two Pipe System**
 - Typical Hydronic System Controls**
 - Designing a Four Zone System**

Continuing Education Units (CEU)

- Students who complete the seminar will receive 1.7 CEU

Expected Learning Outcomes

- Appreciate the advantages of properly installed hydronic systems
- Learn how to size all the components of a typical small hydronic system
- Learn both rules of thumb and the System Syzer approach to system design
- Understand how to select and install air management equipment
- Grasp the basics of primary-secondary pumping

GENERAL INFORMATION

Out of town students attending the Modern Hydronics Basic Course can receive a discount on rooms at the:

Holiday Inn North Shore
5300 W. Touhy Avenue
Skokie, Illinois 60077
Tel: (847) 679-8900

Hotel requirements must be entered on the web page at least one week in advance.

Reservations are made by the Schoolhouse.

Students are responsible for all charges at the Holiday Inn including:

Room Rental	Laundry Service
Valet Service	Telephone Calls
Liquor Charges	Meals

ITT Fluid Handling will furnish noon meals at the Bell & Gossett cafeteria for the entire class.

Transportation will be furnished each day, to and from the Holiday Inn North Shore to the “Little Red Schoolhouse,” and to O’Hare Airport at the end of the seminar.

Out-of-town students are responsible for transportation to and from their homes to the Holiday Inn in Skokie, Illinois.

Chicago area students will furnish their own transportation to and from their homes to the “Little Red Schoolhouse.”

The seminar begins at 8:30 A.M. each day. Class ends at 4:00 P.M. on Monday and Tuesday, and 3:00 P.M. on Wednesday.

REGISTRATION

To attend this seminar, please contact the ITT Fluid Handling Representative in your area. They will have the scheduled dates for all seminars and will make all the arrangements for you. As a continuing service to the HVAC industry, these seminars are offered free of charge. A certificate indicating CEU credit is awarded upon completion of this seminar.

GENERAL INFORMATION

Confirmation of acceptance will be sent from the ITT Fluid Handling Representative.

LITTLE RED SCHOOLHOUSE
ITT Fluid Handling Training Center
8200 N. Austin Avenue
Morton Grove, IL 60053
Tel: (847) 966-3700 • FAX: (847) 966-9377
<http://fhs.ittind.com>

Fluid Handling



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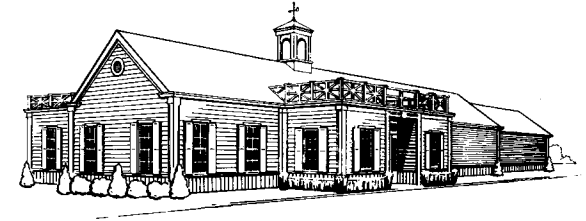
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**Modern Hydronics
Basic Seminar**

