



# PIPING SYSTEM FUNDAMENTALS

## 2-DAY TRAINING COURSE

- Receive a Free CRANE TP410 & Piping System Fundamentals book with registration.
- Go Green without making ANY physical changes to your piping system.
- Discover the key to saving thousands of dollars in the operation of your piping system.
- How maintenance costs CAN be lowered without increasing your system's downtime.

Phone: 1.800.786.8545

www.FluidFundamentals.com

Fax: 360.412.0672

Save money AND improve piping system efficiency by over 50%!

www.FluidFundamentals.com



Fluid Fundamentals Training  
4529 Intelco Loop SE  
Lacey, WA 98503

### Attendee Information

Name \_\_\_\_\_ Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

### Billing Contact Info If Different

Name \_\_\_\_\_ Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

### Payment Method

Visa  AMEX  MasterCard

Card Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

Name on Card \_\_\_\_\_

Signature \_\_\_\_\_

Bill PO No. \_\_\_\_\_

Check Enclosed

### Indicate Class Date & Location

\_\_\_\_\_ *Class Date*

\_\_\_\_\_ *Class Location*

Please indicate which version of the **CRANE TP410** you would like to receive:  US Edition  Metric Edition

Please select the version of **Piping System Fundamentals** book you would prefer:  US Edition  Metric Edition

## Course Overview

Piping System Fundamentals Courses take you inside your piping system to gain an understanding of what is really going on. Starting with the basics like vocabulary, component operation, and finishing with problem solving techniques all with a minimum of math formulas.

Our emphasis is on understanding the relationship between the components that make up a piping system and what happens when changes are made to the piping system.

Attendees will learn to safely troubleshoot and prevent a variety of problems that can arise in piping systems. The attendee will gain real world experience that they can use back at their place of work and immediately apply what they have learned.

## Why Should You Attend?

Here are 5 reasons why you'll want to attend the Piping System Fundamentals Training.

1. Learn to Identify System Problems - Attendees will learn to identify the real problems causing pump and control valve failures, system instability, excessive power consumption and how to avoid these problems, increasing system capacity.

2. Locate areas where you can save your company money— Gain an understanding of how to minimize operating and maintenance cost by optimizing your piping system.

3. Gain real world experience—Attendees will gain real world experience that they can use back at their place of work and immediately apply what they have learned.

4. Earn up to 15 Professional Development Hours— Earn continuing education units to apply toward licensure renewal or just brush-up on your piping system operational knowledge and principles.

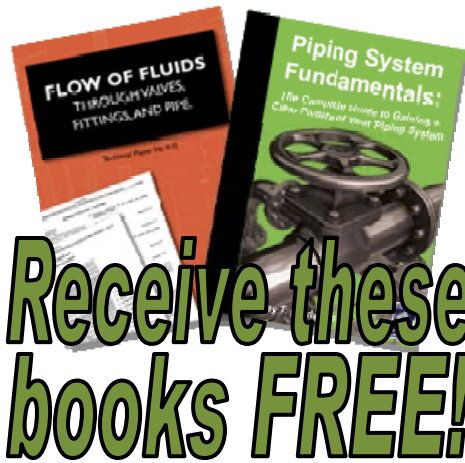
5. Combine theoretical knowledge and practical experience to gain a total picture of system

## Attendees Also Receive...

- CRANE's Technical Paper No. 410
- Piping System Fundamentals book
- Comprehensive Course Workbook
- 1.5 Continuing Education Credits
- Course Certificate

**The instructors are highly effective and knowledgeable. They made technical information interesting and held my attention for two days, which is definitely not easy to do!**

- J. Shelby, Project Engineer



## Who Should Attend?

Piping System Fundamentals courses is comprehensive training designed for recent college graduates, mechanics, operators, consulting engineers and designers needing to obtain a clear picture of the operation the total fluid piping systems.

Attendees come from a variety of fields and skill levels including but not limited to:

- Design Engineers
- Plant Engineers
- Facility Managers
- Maintenance Technicians
- Mechanics
- Building Owners
- Plant Operators
- Safety Engineers
- Recent College Graduates
- Pump Sales Representatives
- Anyone who needs to select, specify, commission, install and/or maintain liquid piping systems and pipelines.

## Course Outline

- Basic Training Introduction
- Piping Basics
- Pipelines
- Pumps
- Control Valves
- Flow Meters
- Components
- System Operation
- System Examples

For a more detailed outline, check out our website: [www.FluidClass.com](http://www.FluidClass.com)

## What Can You Expect?

**Well-rounded, Detail-packed training that sets the standard for excellence**

Sessions are on-target, full of must-know information for anyone who works in and around fluid or gas piping systems.

This is a fast-paced program designed to present the major topics relative to the design and operation of piping systems. The program consists of 2 days of full-time instruction including concept theory, problem solving, system design, and exposure to the latest technology in piping design.

## 100 % guaranteed training

We go great lengths to provide you with the highest quality piping system training available and we promise a wealth of practical and valuable information in a short period of time. In fact, you'll get the best training, or you'll get your money back.

We stand behind the value of our training with a 100% money back guarantee. That means you must be completely satisfied with your training investment, or we'll refund your money—*hassle-free*.

## Knowledgeable speakers

Our polished trainers are hand-picked to present our seminars based on their dynamic public speaking abilities and their industry expertise. These seasoned professionals have years of hands-on experience in the piping system industry and have provided thousands of hours of instruction.

## Cancellation Policy:

If notification is received at least two weeks prior to the start of the course, credit may be granted to a later seminar date. No refunds are available for cancellations made less than 30 days prior to the start of the scheduled course.

If for any reason we are required to cancel a class, our liability is limited to the return of the registration fee. We reserve the right to cancel courses due to insufficient enrollment. Such decisions will be made at least one week before the scheduled course date. Registrants will be notified via email; *Every effort will be made to avoid cancellations.*

## Registration Rates:

Early Registration, Single Seat: \$895  
Day of Class, Single Seat: \$995

## Group Discount:

Based on Number of Attendees\*

## Onsite Training:

Call for Details (800) 786-8545

\* *Group Discount Only available via mail, phone or fax. All attendees must register at the same time to received group discount. Group discounts cannot be combined with any other discount and/or offer.*

## Ways to Register:

**Internet:** [www.fluidfundamentals.com](http://www.fluidfundamentals.com)

**Fax:** 360-412-0672

**Phone:** Toll Free 1-800-786-8545 or 1-360-292-4050

**Mail:** Fluid Fundamentals Training  
4529 Intelco Loop SE  
Lacey, WA 98503

For more information call **1-800-786-8545** or email [register@fluidfundamentals.com](mailto:register@fluidfundamentals.com)