

PROFESSIONAL TRAINING WORKSHOPS

Empower your team with customized courses designed to optimize systems.



Introduction to Steam

Gain a comprehensive understanding of steam fundamentals, including the steam cycle, heat transfer, and water chemistry. Learn about steam hazards, system start-up and shut-down procedures, and best practices for safety and efficiency.

Flow Measurement

Master the techniques for measuring the flow of gases, liquids, and steam. Explore different types of flow meters, their advantages and disadvantages, and the installation and design parameters for differential pressure technologies.

Steam Distribution and Control

Understand the components of steam distribution, control principles, and maintenance practices to enhance system performance and lower energy usage.

Digital Domestic Hot Water Generation and Control

Discover the latest technologies in digital domestic hot water systems, focusing on efficient generation, precise control, and system integration for optimal performance. Learn about advanced control strategies for domestic hot water systems, including digital interfaces, temperature regulation, and energy-saving techniques.

Steam Trapping

Understand the purpose and function of steam traps, explore different types, and learn best practices for installation, maintenance, and troubleshooting to ensure efficient steam system operation.

Condensate Recovery

Dive into the principles of condensate recovery, including methods for measuring and returning condensate, safety considerations, and the benefits of maximizing condensate return for cost savings and efficiency.

Humidification

Learn the importance of humidification, problems associated with low humidity, and the methods for determining and achieving optimal humidity levels using various humidification techniques.

Industrial Hot Water Generation

Explore the processes and technologies involved in generating, storing, distributing, and controlling industrial hot water systems to ensure efficiency and reliability.

Pipeline Thermal Management

Learn the principles of thermal insulation, heat tracing, and temperature monitoring to prevent issues like freezing and heat loss in pipelines, while maintaining energy efficiency and safety standards.

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Steam Trap Monitoring

Examine the role of steam traps in steam systems, and learn how to use advanced monitoring tools to detect failures, troubleshoot issues, and optimize performance for energy efficiency.

Nanobubble Technology

Discover the innovative applications of nanobubble technology in various industries, focusing on its benefits for cleaning, water treatment, and enhancing chemical reactions.

Heat Exchangers

Review the laws of thermodynamics, understand heat transfer types and calculations, and explore the factors affecting heat transfer in different types of heat exchangers.

Heat Pump Solutions

Get an understanding of the latest advancements in heat pump technology, their applications, and benefits for energy-efficient heating and cooling solutions.

Boiler Blowdown Technologies

Comprehend the importance of boiler blowdown in maintaining water quality and preventing scale and corrosion. Learn about various blowdown methods, including manual and automatic systems, and how to optimize blowdown frequency and duration to enhance boiler efficiency and longevity.

Fluid Handling

Explore innovative pumps, heat exchangers, and accessories for efficient fluid handling and heat transfer from Thrush Co. Learn how these products improve system performance, reliability, and energy efficiency.

Steam Quality Automation

Gain an understanding about the importance of steam quality and explore automation technologies that ensure consistent and high-quality steam production.

Insulation Blankets

Shannon Global Energy Solutions' removable insulation blankets are designed to boost energy efficiency and safety in industrial applications. Easily install and remove them for maintenance, offering a cost-effective solution for thermal insulation and noise reduction.

Spring-Loaded Check Valves

Study the design and applications of spring-loaded check valves, including their roles in preventing backflow, providing low-pressure relief, and functioning as vacuum breakers.

Heat Recovery Systems: An Overview

Learn how heat recovery systems capture waste heat to boost energy efficiency and lower costs in commercial and industrial applications. Understand their components and functionality to make informed decisions and optimize performance.



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