







Introduction to Heat Exchangers

This course can only be purchased as part of **Industrial Equipment I** bundle



-  Self-paced
-  3 modules
-  1 hour
-  English
-  1-yr access
-  SPC702



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Receive Personal Certificate
to prove your knowledge

Course Objective

"To give professionals working with piping systems a strong fundamental understanding of valve types and their use."

Program

- Module 1** Introduction to Heat Exchangers
- Module 2** PHEs
- Module 3** Refresh lessons

Results

After this course, you will be able to...

- ✓ Be able to identify the common types of heat exchanger (plate, shell and tube),
- ✓ Be aware of the various designs (parallel, cross and counter flow),
- ✓ Know the advantages and disadvantages of each heat exchanger type,
- ✓ Know the components of each type of heat exchanger,
- ✓ Understand the reasoning for the type and design of heat exchanger employed for certain applications,
- ✓ Understand how heat exchanger fouling can occur and what causes it,

And much much more!

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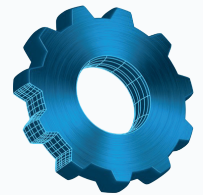
Main Instructor



Jon Russell

Entrepreneur & Engineer, saVRee

Industrial Equipment, Static & Rotating



saVRee exists to help people learn about the fascinating world of engineering. Since opening the website in 2017, they have helped over 25,000 online students increase their engineering knowledge. They have also helped their clients train thousands of their own trainees and apprentices, particularly in the Power Generation, Oil and Gas, Automotive, and Electrical Engineering industries.

Course Summary

Almost all industrial processes require some form of heat transfer. Oil refineries, power stations, chemical plants and HVAC installations, all must exchange heat. But how you do this in a controlled and efficient manner? What equipment is involved and how does this equipment work? This course will answer all of these questions and many more!

The course is designed to take you from zero to hero concerning heat exchanger knowledge. Even if you already have some background engineering knowledge, this course will serve as an efficient refresher. Whatever your level of understanding, or engineering background (mechanical engineering, HVAC, chemical engineering, oil & gas industry, power engineering etc.), this course will provide you with a good understanding of different heat exchangers and their details.

Who should attend this course

- This course is designed for Piping Designers, Pipe Stress Engineers, Mechanical Engineers, Process Engineers, or Maintenance Engineers with 0-3 yrs of experience.
- This course is beneficial for anyone in the oil & gas, HVAC, chemical engineering, mechanical engineering, or power engineering industries.

Prerequisites

- Experience in an engineering field such as oil and gas, chemical engineering, power engineering, mechanical engineering etc. is beneficial, but not required.

Level Foundations