







Plate Heat Exchanger Fundamentals

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



-  Self-paced
-  3 modules
-  1.5 hours
-  English
-  1-yr access
-  SPC706



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Course Objective

"To give professionals working with industrial systems a strong fundamental understanding of plate heat exchangers and their use."

Program

- Module 1** Introduction
- Module 2** Plate Heat Exchanger Fundamentals
- Module 3** Refresh lessons

Results

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

- ✓ All of a plate heat exchanger's components.
- ✓ How plate heat exchangers work.
- ✓ Different plate heat exchanger designs.
- ✓ How to vary the cooling capacity of a plate heat exchanger.
- ✓ Tips and tricks when assembling and disassembling a plate heat exchanger.
- ✓ Maintenance tasks associated with a plate heat exchanger.
- ✓ Advantages and disadvantages associated with a plate heat exchanger.

And much much more!

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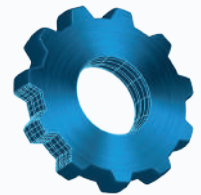
Main Instructor



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

Many machines, and almost all industrial processes, require some form of heat transfer. Designing machinery to transfer heat in an efficient and safe manner is not a 'nice-to-have', it's a necessity. Despite the numerous processes that require heat transfer, only two heat exchangers are commonly used today, the shell and tube type, and the plate type. This course covers the plate heat exchanger in great detail.

This course gives you all the fundamental understanding you need about the plate heat exchanger and can also be used later as a refresher course. 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 strong understanding of plate heat exchangers and their details.

Interactive 3D models are used extensively to show you all of a plate heat exchanger's components and how it works.

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