Pumps: Rotary Positive Displacement Types

Course Description:

This course is designed to familiarize participants with the basic parts and operation of several types of rotary positive displacement pumps. After completing this course, participants should be able to describe the general operation of the following types of pumps: screw pumps, gear pumps, lobe pumps, vane pumps, and tubing pumps. They should also be able to describe a general procedure for starting up and shutting down a typical rotary pump, and they should be able to explain the function and operation of a relief valve.

Learning Objectives:

• Describe the general operation of a progressive cavity pump
• Describe the general operation of a two-screw pump
• Describe the general operation of an external gear pump and an internal gear pump
• Describe the general operation of a lobe pump
• Describe the general operation of a sliding vane pump and a flexible vane pump
• Describe the general operation of a tubing pump
• Describe procedures involved in starting up a rotary positive displacement pump
• Describe procedures involved in shutting down a rotary positive displacement pump
• Explain the purpose of a relief valve

System requirements:
OS: Windows 7, 8, 10 / MAC
Browsers: IE11 / Chrome / Firefox / Safari
Plug-in: Flash player
Hardware: Desktop with speakers or headphones
Notes: Not suitable for tablets or smartphones