

[ACR] Centrifugal Pump Components

Learning Objectives

Centrifugal pumps convert external rotational mechanical energy into kinetic energy within a liquid. In a centrifugal pump, this is done by accelerating the liquid from the center to the outer rim of a spinning impeller within a pump casing. This course covers the terminology and function of the mechanical components that make up a typical centrifugal pump.

- Identify centrifugal pump components
- Distinguish between types of bearings
- Differentiate between radial and thrust loads
- Identify coupling types and purposes
- Recognize causes of bearing failure

Training Methods

Our training methods that will be applied, are interactive learning through the videos displayed on our website, WaterLMS. Attendees will have to take quizzes and tests, as well as being interactive throughout the whole duration of the course. They can not skip forward, and is required to be active for the duration of the course, being able to get the full experience out of our courses and prepare them for the real duties they will encounter.

Courses can be taken in a learning plan, all together or be taken individually.

Course Content

- Centrifugal Pump Components

Course Outline

1. Centrifugal Pump Components 3 hrs

Self- Paced Total 3 hrs

Student Assessment

Upon class completion, students will be tested using an open question & answer session, to ensure there is a general understanding of the materials presented during the course.

Instructor Bio:

Is strictly online, so no instructor is needed.

Please reach out if you have any questions, or is wanting to take the course yourself, to provide a better understanding of the ones we provide.