

**Course Name: Fluid Power Basics**

**Hours to complete:** 2.00

**CEUs:** 0.20

**Description:**

In this video course from the AIMS 2020 Safety Seminar Series, learners receive an overview of fluid power history, define fluid power and discover the advantages of fluid power in the amusement industry. Learn the components that make up fluid power and discuss how pumps, motors, valves and cylinders all work to make fluid power. Get familiar with basic symbols for reading fluid power on schematic drawings and see different examples of fluid power in use in the industry.

**Audience:**

This program is designed for ride owners/operators, maintenance, inspectors and other amusement personnel who require continuing education and training for maintaining their certification to work in their respective positions per AHJ regulations and/ or company policies. This program is also ideal for individuals wishing to remain current on latest industry trends, standards and best practices applicable to their day to day job duties as it relates to their role.

**Specific target audience includes:**

Ideally for course inspectors, maintenance personnel, owner/ operators, management and manufacturers working with rides powered by fluid.

**Prerequisites:**

Participants enrolling in this course:

- Must have access to a mobile device or computer with connectivity to the internet for viewing the content within the learning management system.
- Must log in with their unique email and password credentials to access their course materials.
- Must have access to a stable, high speed Internet connection for optimal viewing of the content to minimize potential for buffering of multimedia in learning programs.

**Evaluation:**

Successful course completion includes:

- Review of the module content in its entirety
- Successful completion of the module quiz
- Completion of the module course evaluation survey.

Upon successful completion of all modules, participants must complete the course survey and then will have access to download their credentials and any associated CEUs.

**Outcomes:**

Participants in this course will

- Review the history of fluid power.
- Define fluid power.

Discover the advantages of fluid power.  
Identify the components of fluid power.  
Recognize the basic symbols for fluid power on schematic drawings.  
Discuss how pumps, motors, valves and cylinders contribute to fluid power.

**Expectations:**

Students will watch a learning module of content from the AIMS 2020 Safety Seminar video series and complete the assessment quiz at the end of the module.