

PUMP AND SEAL STARTUP TRAINING

A Basics-level class for operators and maintenance personnel. This customized startup training is designed to teach principles and practices to ensure the safe, reliable operations of recently purchased pump and seal equipment. The class is held as part of the commissioning phase of the project.

Participants will identify causes of rotating equipment failure through operation and discuss methods to make corrections. They will review proper startup and shutdown procedures and understand the purpose and function of critical pump and seal components. The Installation and Operations Manual (IOM) for each new pump will be reviewed to familiarize the students with the actual equipment purchased.



Location

Classes will commence at the customer's site, where equipment installation will occur. Participants receive the most benefit if this course in taken during commissioning of the equipment.

Audience

This course is designed for operations and maintenance personnel who are involved with the daily operation of pumping equipment. Technicians and engineers responsible for the reliability of mechanical seals and pumps will also benefit from the class.

Course Objectives

Upon completion of the course, participants will be able to:

- Explain how centrifugal pumps and mechanical seals operate
- Identify causes of rotating equipment failure through improper operation

- Describe the function and operation of auxiliary equipment
- Describe how to safely and reliably start up and shut down equipment
- Review troubleshooting procedures, identifying and correcting potential rotating equipment damage or failure
- Understand how to analyze the data sheets and IOM for the specific equipment purchased
- Describe the pump type, model, size and nomenclature of the equipment purchased

Prerequisites

Some experience with rotating equipment is required.

Course Registration

Please contact your local Flowserve Sales Representative for information on pricing and registration. You may also contact esg@flowserve.com for more information.





Course Registration

For registrations, please visit: www.pumptraining.com

- 1 Click on the register button.
- 2 Log on to the system or register if it is your first time.
- 3 Click classroom courses and choose your region.
- 4 Select which class date(s) you would like by using the drop-down list on the desired course. Enter number of attendees.
- 6 Click **buy** and proceed to checkout for payment.

Email assistance: esg@flowserve.com

Learning Resource Center Locations and Contact Information

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