PetroSkills

Fired Heaters and Boilers

MODULE

About the Skill Module

This skill module describes the types of fired heaters used in oil and gas processing, their common applications and service conditions along with the organizations that provide codes and standards for fired heaters. In addition, the skill module discusses the design and operation of fired heaters, economic selection criteria, typical pressure-temperature ratings, materials of construction and limitations. The skill module finishes discussion with types of boilers, applicable service conditions, materials of construction and limitations for boilers and water quality considerations.

See example Mechanical eLearning module

Target Audience

Facilities Engineers, Process Engineers, Senior Operations Personnel, Field Supervisors, Engineers who select, design, install, evaluate or operate gas processing plants and related facilities

You Will Learn

Participants will learn how to:

- Describe the types of fired heaters used in oil and gas processing, most common applications, and service conditions
- Identify organizations that provide codes and standards for fired heaters
- Describe major code requirements that affect design, material selection, inspection, and safe practices
- Describe design and operation of fired heaters, economic selection criteria, typical pressure-temperature ratings, materials of construction, and limitations
- Describe types of burners, applicable service conditions, construction materials, and limitations
- Describe how NOx emissions are monitored and controlled
- Describe the purpose of coatings, linings, and heat insulation
- Identify basic types of boilers, applicable service conditions, materials of construction and limitations for boilers, and water quality considerations
- Describe the corrosion processes and protection requirements

Product Details

Categories: <u>Midstream</u>

Disciplines: <u>Mechanical Engineering</u>

Levels: <u>Basic</u>

Product Type: Individual Skill Module

Format: On-Demand

Duration: 4 hours (approx.)

$395.00