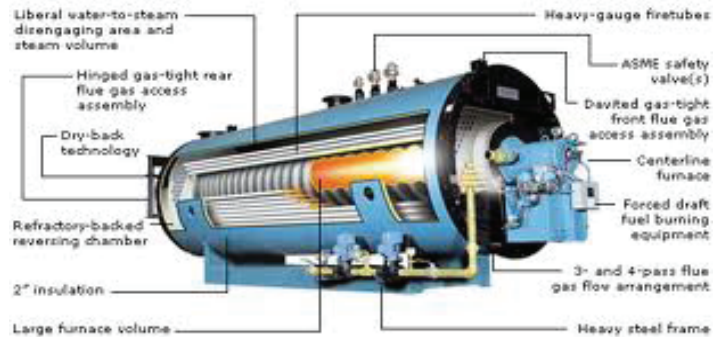


BST: 101

HVAC Systems Operations and Maintenance

Course Description: This course is designed to introduce the student to the variety of equipment in new and old buildings. Students will learn various heating systems, ventilation systems, pumps, hot and cold water systems, boiler types, air-condition systems. At the end of the course the student will have the understanding and knowledge of building basic systems and how they work and how to maintain them.



Course Format: The course is presented in lecture and discussion sessions in conjunction with homework and study assignments. Students are expected to participate in class. Study Manual is provided in course fee.

Course Outline:

Week One:

Day One Boilers
Day Two Types of Heating Systems – one pipe gravity, two pipe Mechanical Systems.

Week Two:

Day Three Sub-atmospheric and Hydronic Systems
Day Four Air Conditioning and Pumps

Week Three:

Day Five Cooling Towers and Ventilation Systems
Day Six What is Maintenance and why do we need to do it

Week four:

Day Seven Types of Maintenance- Preventive, Predictive, Run to fail, to name a few
Day Eight Heating Systems Maintenance

Week five:

Day Nine Air Conditioning and Cooling Towers
Day Ten Ventilation Systems and Pumps

Total hours for this course is 33 Hours \$375 member price. \$495 non member price.

