

Heat Exchanger Piping Design Questions and Answers

Question 1:

What are the different Types of Heat Exchanger according to their functions?

Answer:

- 1.Exchangers
- 2.Coolers
- 3.Subcoolers
- 4.Chillers
- 5.Heaters
- 6.Reboilers
- 7.Waste heat boiler
- 8.Steam Generator
- 9.Vapourisers

Question 2:

What are the different types of Heat exchanger according to their construction?

Answer:

- 1.Shell and tube
- 2.Plate exchanger
- 3.Spiral heat exchanger
- 4.Double pipe exchanger
- 5.Air cooler exchangers

Question 3:

How to locate an exchanger with respect to the equipment's associated to a system?

Answer: The location should be chosen with a view towards reducing the amount of piping required to connect the system, easy access for Operation, Maintenance and Escape routes.

Question 4:

What is the preferable position of Spiral and Plate Exchangers?

Answer: It is preferable to position the spiral and plate exchangers in single instead of series and parallel for easy Operation, Maintenance and Escape routes.