ENGR 292 Fluids and Thermodynamics

Design a Pump and Pipe System Step 1

Supporting Docs

Feb.03, 2017

Step 1

- **Piping Layout**
- **Piping design and equipment arrangement are interrelated subjects that cannot be well taught in the classroom.**
- **Most good designers throughout history have learned their profession by a combination of academic and practical work.**
- **Proper planning and execution of the design and routing of pipe can have a major impact on controlling the total installed cost (TIC).**

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Step 1

Reference:

http://www.pipingguide.net/2010/08/piping-layout.html

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Step 1

Pipe vs. Tube:

- **Pipes are categorized as tubular vessels used in pipeline and piping systems, and commonly transport gases or fluids. They are specified by "Nominal Pipe Size" (NPS) and Schedule (wall thickness).**
- **Tubing is generally used for structural purposes and the OD is an important and exact number. Tubing size is specified by OD and the wall thickness (WT);**

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Step 1

Pipe vs. Tube: Confusing

Reference:

http://www.commercemetals.com/tube-vs-pipe-the-differences-explained-in-plain-english/

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