

Hydraulics & Pneumatics

Chapter 2: Pneumatics (QUIZ #4)

by

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Answer the following questions with TRUE or FALSE:

- The pipeline for air distribution is installed with 1-2% gradient to remove the condensate water (T/F)
- Dynamic compressor is used for low pressure with large volume air application (T/F)
- Gay-Lussac's law is used when the pressure is constant (T/F)

Answer the following questions with TRUE or FALSE:

- There are three ways to control the compressor; start/stop approach, exhaust approach and vacuum approach (T/F)
- If the compressor capacity and requirement are almost the same, the start/stop approach is the most suitable to be used (T/F)
- Lubricators only can be applied when the air in the delivery system is totally dry (T/F)

Answer the following questions with TRUE or FALSE:

- In pneumatic system, the direct control have limitation such as:
 1. Piston diameter should be at least 40 mm (T/F)
 2. Connection size on valve should be less than 0.25 inch (T/F)
 3. The working pressure should not exceed 100 MPa (T/F)

Answer the following question

- Design a pneumatic circuit with the following sequence:
- A+ A- B+ B-