

Hydraulics & Pneumatics

Chapter 1: Hydraulics (QUIZ #2)

by

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Answer the following questions:

1. Draw the symbols for the following valves:
 - a. 3/2 way DCV with normally open position
 - b. 4/3 way DCV with regenerative mid-position

Answer the following questions:

2. In double acting cylinder, the extend and retract speed are equivalent if the pressure at the both sides (piston and rod side) are the same (T/F)? Proof your answer.

Answer the following questions:

3. In single acting cylinder hydraulic circuit, the retracting velocity is not important to be considered (T/F). Explain your answer.

Answer the following questions:

4. In double acting cylinder circuit, the larger rod diameter will increase the cylinder extension speed (T/F?). Proof your answer.

Answer the following questions:

5. The higher flowrate is used, the higher load the system will withstand (T/F).