

5. Which of the following is correct for air compressors?

- a. For every 5.5oC drop in the inlet air temperature, the increase in energy consumption is by 2%
- b. For every 4 oC rise in the inlet air temperature, the decrease in energy consumption is by 1%
- c. For every 4 oC rise in the inter air temperature, the increase in energy consumption is by 1%
- d. The energy consumption remains same irrespective of inlet air temperature

6. Reduction in the delivery pressure of a Compressor working at 7 bar, by 1 bar would reduce the power consumption by

- a. 2 – 3 %
- b. 6 - 10 %
- c. 12 – 14 %
- d. None of the above

7. The acceptable pressure drop at the farthest point in mains header of an industrial compressed air network is

- a. 0.3 bar
- b. 0.5 bar
- c. 1 bar
- d. 2 bar

8. Which of the following parameters are not required for evaluating volumetric efficiency of the compressor?

- a. Power
- b. Cylinder bore diameter
- c. Stroke length
- d. FAD

9. If the compressor of 200 cfm loads in 10 seconds and unloads in 20 seconds, the air leakage would be

- a. 67 cfm
- b. 100 cfm
- c. 10 cfm
- d. 133 cfm

10. Which of the compressors is used to supply large quantities of air for a medium to high pressure range?

- a. Reciprocating
- b. Rotary vane
- c. Rotary screw
- d. Centrifugal

Test your knowledge: Compressors and Compressed Air Systems

ANSWERS				
1. a	2. b	3. d	4. b	5. c
6. b	7. a	8. a	9. a	10. d