

Automotive Technology 7th Edition
Chapter 65: Refrigerant Recovery, Recycling, and Recharging
Short Answer Quiz

Name:

Date:

1. Describe the importance of checking the tube or TXV filter screen for debris when there's a compressor failure. How is flushing typically carried out?
2. Explain the relationship between pressure and the boiling temperature of water. Provide details on how the boiling temperature changes with varying pressures.
3. List the steps involved in servicing an A/C system. Why is it crucial to ensure that only the specified refrigerant and oil are added to the system?
4. Differentiate between the CFM rating and the micron rating of vacuum pumps. What is the significance of a vacuum pump's micron rating in relation to the boiling point of water?
5. Why is evacuation considered a necessary service procedure for a refrigerant system?

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6. Describe the SAE J standards and explain their significance when working on automotive air-conditioning systems. What safety precautions should technicians adhere to?

7. How does RRR equipment function in the recycling process of refrigerants? Discuss the importance of filter maintenance in these machines.

8. Why is evacuation considered a necessary service procedure for refrigerant systems?

9. When charging an A/C system, what potential risk arises from charging liquid into the system?

10. According to most experts, to what micron level should a system be drawn down during the evacuation process?