

Automotive Technology 7<sup>th</sup> 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?

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2. Explain the relationship between pressure and the boiling temperature of water. Provide details on how the boiling temperature changes with varying pressures.

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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?

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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?

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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?

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

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

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

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

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