

## EPA Section 608 Technician Certification Study Guide Exam Questions and Answers (Verified Answers) Latest Update 2023

What are the typical uses of the center port of gauge set? - **Correct Answers**

Used during evacuation, charging and recovery procedures.

What color are the gauges on a manifold gauge set? - **Correct Answers**

Low pressure is blue, High pressure is red.

What are the typical ranges of pressure measurements used on the gauges of a manifold gauge set? - **Correct Answers**  High side is 0 to 500 PSIG; Low side is 0 to 350 PSIG and 0 to 30 in. Hg below atmospheric pressure.

Is the refrigerant leaving a condenser at a high or low pressure? Is it a liquid or a gas? - **Correct Answers**  High pressure, liquid.

Is the refrigerant entering the expansion valve (variable metering device) a liquid or gas? - **Correct Answers**  Liquid, high pressure.

Is the pressure of the refrigerant entering the compressor high or low? - **Correct Answers**  Low pressure vapor.

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Where in a refrigerant circuit does a liquid boil to absorb heat? - **Correct**

**Answers**  In the evaporator.

The refrigerant in the suction line is a gas that has been heated above its saturation. What is this condition called? - **Correct Answers**  Superheated vapor.

What can cause liquid refrigerant to migrate to a compressor crankcase? - **Correct Answers**  If the compressor is located in the coldest location in the circuit.

# learnexams

List two conditions that can quickly damage a compressor that is starting to run? - **Correct Answers**  Operating while in a deep vacuum or when the service valves are closed.

What system failures require taking an oil sample? - **Correct Answers**  A compressor burnout or if the unit has had a leak.

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Is flushing with refrigerant an acceptable tube cleaning method? - **Correct**

**Answers**  No.

In addition to preventing and repairing leaks what else should a technician do to conserve refrigerant? - **Correct Answers**  Recover and recycle used refrigerants.

What factors affect the speed of an evacuation? - **Correct Answers**  Pump size, hose length, hose diameter, size of system to be evacuated, ambient temperature, suction line size, and the amount of moisture in the system.

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How should gauge set hoses be sized for use in evacuating a system? -

**Correct Answers**  Use the shortest length and the largest diameter possible for the quickest evacuation. At least as large as the vacuum pump inlet.

When evacuating what is the benefit of using short hoses with large diameters? - **Correct Answers**  Reduces emissions, pressure drop and evacuation time.

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Which connection determines the preferred size of hoses used with a vacuum pump? - **Correct Answers**  The vacuum pump inlet.

As the capacity and suction hose size increase what happens to the time needed for an evacuation? - **Correct Answers**  Time is reduced.

What purpose is served by heating a system during dehydration? - **Correct Answers**  To speed up moisture removal.

Does a thorough evacuation remove moisture from a system? - **Correct Answers**  Yes.

What can happen to oil in the compressor if the moisture is left in an operating system? - **Correct Answers**  The oil will form hydrofluoric and hydrochloric acids which will corrode the internal parts of the system.

What is the result of over-evacuating a system? - **Correct Answers**  No damage will be done.