

EPA 608 FINAL EXAM WITH 90+ QUESTIONS AND ANSWERS

To process refrigerant to a level equal to new (virgin) product specifications as determined by chemical analysis defines: - ANSWER Reclaiming

Recover any remaining refrigerant and then render the cylinder useless, then recycle the metal is the proper disposal method for: - ANSWER Disposable cylinders

Clean refrigerant for reuse by separating the oil from the refrigerant by passing it through one or more filter driers is the definition of: - ANSWER Recycle

What is the GWP (Global Warming Potential) of R-1234ze - ANSWER 0

Reusable refrigerant containers under high pressure must be hydrostatically tested how often? - ANSWER 5 years

When filling a charging cylinder with a regulated refrigerant, the refrigerant vapor that is vented off the top must be ... - ANSWER recovered

What is an example of a non-condensable? - ANSWER Air

When a system is in deep vacuum, never do what - ANSWER Energize the compressor

Which HC refrigerant is allowed for use in NEW domestic Small Appliances? - ANSWER R-600a

Leaks must be repaired on industrial process and refrigeration units with a 50 pound charge or greater when the annualized leak rate reaches ___ or more. - ANSWER 30%

What can be done with a refrigerant trace gas and nitrogen mixture after a system leak is found? - ANSWER Release into atmosphere

Refrigerants CFC R-12, HCFC R-22, and HFC 134a are all classified as - ANSWER A1

When using a recovery unit on a system containing 100lbs of R-410A it must be evacuated to: - ANSWER 0" Hg

When dehydrating a system it should be evacuated to a level of - ANSWER 500 microns

Refrigerant should be recovered from the condenser outlet if the condenser is: - ANSWER Below the receiver

If a leaking appliance with a regulated refrigerant is not going to be repaired, it must be: - ANSWER Retrofitted or retires within 12 months

When recovering a medium pressure system with more than 200lbs of refrigerant, recover to a level of: - ANSWER 15" Hg

Standard for machine room safety is: - ANSWER ASHRAE 15

What is the safety classification of HCFC-123 - ANSWER B1

The EPA required evacuation level for recovery or recycling equipment used on low pressure systems is: - ANSWER 25 mm of Hg absolute

What type of equipment can be worked on with Type III certification - ANSWER Low pressure

What is the safety classification of R-134A under ASHRAE Standard 34 - ANSWER A1

The rupture disk on a low pressure chiller has a burst pressure of - ANSWER 15 psig

When pressurizing a low pressure system for leak detection purposes, do not exceed - ANSWER 10 psig

What oil is used in HFC and HFO HVACR Systems? - ANSWER Esters

Can esters be mixed with other oils? - ANSWER No

What type of oil is commonly used when retrofitting HCFC systems? - ANSWER Polyolester (POE)

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Why do R-400 series (zeotropic blends) leak from a system at uneven rates? - ANSWER Different vapor pressures

What is the proper charging method for R-400 series blended refrigerants? - ANSWER Weigh refrigerant into the HIGH side of the system as a LIQUID.

EPA regulations require a _____ or _____ on all hermetically sealed appliances that use regulated refrigerant in order to make it easier to recover - ANSWER Service aperture or process stub

Since when has the sale of CFC and HCFC refrigerants been restricted to certified technicians? - ANSWER November 14 1994