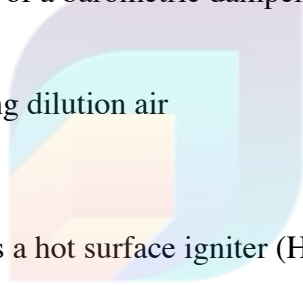


G2 Practice Quiz - Multiple Choice Questions - gastechnician.ca

- Which appliance category operates with a non-condensing, negative vent pressure?
 - Category II
 - Category III
 - Category I
 - Category IV
- The primary purpose of a draft hood on a gas appliance is to:
 - Increase draft
 - Prevent condensate formation
 - Isolate the burner from vent system fluctuations
 - Seal the appliance to the chimney
- When common venting a natural draft water heater and furnace, which appliance must enter the vent connector FIRST?
 - Furnace
 - Water heater
 - Appliance with higher input
 - Appliance with draft hood
- Which vent material is acceptable for Category IV condensing appliances?
 - Type B gas vent
 - Single-wall metal vent
 - PVC, CPVC, or polypropylene (as per manufacturer)
 - Galvanized steel
- What condition is MOST likely to cause flue gas spillage at a draft hood?
 - Oversized vent
 - High inlet gas pressure
 - Negative building pressure
 - Excess combustion air
- Where must a manual shut-off valve be installed for a gas appliance?
 - At the gas meter only
 - Inside the appliance cabinet
 - Within 6 ft of the appliance and readily accessible
 - Downstream of the regulator only

7. Which device proves the presence of draft in an induced-draft furnace?
- A) High-limit switch
 - B) Flame sensor
 - C) Pressure switch
 - D) Roll-out switch
8. What is the minimum slope required for a horizontal vent connector on a natural draft appliance?
- A) 1/8 in. per foot
 - B) 1/4 in. per foot
 - C) 1/2 in. per foot
 - D) No slope required
9. Which safety device prevents burner operation if combustion products spill into the room?
- A) Thermocouple
 - B) Pressure regulator
 - C) Flame rectification sensor
 - D) Spill switch
10. Which factor is NOT used when sizing gas piping using CSA B149.1 tables?
- A) Total connected load
 - B) Length of piping
 - C) Allowable pressure drop
 - D) Appliance efficiency
11. A power-vented appliance differs from a natural draft appliance because it:
- A) Requires a draft hood
 - B) Operates under negative vent pressure
 - C) Uses a fan to move flue gases
 - D) Cannot be side-wall vented
12. Which condition would require a combustion air supply to be provided mechanically?
- A) Large mechanical room
 - B) Appliance installed outdoors
 - C) Tight building construction
 - D) Appliance with sealed combustion

- 13.** What is the primary function of a barometric damper?
- A) Prevent backdraft
 - B) Increase draft strength
 - C) Stabilize draft by admitting dilution air
 - D) Act as a vent termination
- 14.** Which type of appliance uses a hot surface igniter (HSI)?
- A) Standing-pilot boiler
 - B) Millivolt wall heater
 - C) Natural draft water heater
 - D) Intermittent ignition furnace
- 15.** Condensate produced by high-efficiency gas appliances is typically:
- A) Neutral
 - B) Alkaline
 - C) Acidic
 - D) Non-corrosive



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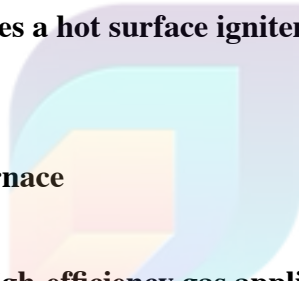
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