Concentric Vent Installation Instructions

**General**

1. Select a location for the Concentric Vent that is accessible for maintenance and service. Note: The intake and exhaust pipes must be parallel to each other.
2. Determine the best location for the Concentric Vent. Follow these guidelines:
   - Do not install the Concentric Vent in a location where it may be exposed to high temperatures or direct sunlight.
   - Avoid locations where the intake/vent pipes may be subject to freezing during cold weather.
   - Refer to Figures 4 & 6 when venting multiple units.

**Installation**

1. Use furnace installation instructions to determine the best location and size for the Concentric Vent. Refer to Figure 7 for proper pipe assembly.
2. Determine the correct Concentric Vent size for the pipe diameter. Consult the furnace installation instructions for intake/vent piping length by 5 feet from that listed in the basic furnace installation instructions.

**NOTE:**
- Startup is required when the intake pipe is extended more than 60" from the furnace. Failure to follow this warning may result in serious operational problems. Do not extend air inlet pipe more than 60" (Figure 1).
- If assembly is too short, the 2 pipes supplied in the kit may be replaced by using same diameter, equivalent support material (user supplied).
- Assemble the Concentric Vent and all piping in accordance with the furnace installation instructions for cleaning and cementing.
- Secure the KM-2 tee fitting and pipe assembly to the roof using metal strapping or equivalent support material (user supplied).
- Cement furnace combustion air and vent pipes to the tee fitting and incorporate all furnace installation procedures.
- Refer to the furnace installation instructions for intake/vent shown in the basic furnace installation instructions.
- Cement the intake pipe to freeze shut during cold weather.

**CAUTION:**
- Do not use field supplied couplings or field supplied elbow.
- Do not field modify combustible piping.
- Do not set any part of the termi/nation kit or the heat exchanger in the snow.
- Do not extend pipes with Schedule 40 PVC or couplings. The kit is made for concentric vents. Be sure to check local code for vent pipe size.
- Air inlet pipe to freeze shut during cold weather if the intake pipe is extended more than 60" from the furnace. Failure to follow this warning may result in serious operational problems. Do not extend air inlet pipe more than 60" (Figure 1).

**WARNING:**
- Do not use the Concentric Vent "Y" tee fitting and pipe assembly at a point where vapors are objectionable or where air intake is 4" or less or greater than 24". This will prevent a recirculation of air intake.
- Avoid locations where the intake/vent pipes may be subject to freezing during cold weather.
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