

Municipal Inspections, Inc.  
25275 Vergus Ave.  
New Prague, Minnesota 56071  
(952) 461-4777 - FAX: (952) 461-2782

## **GARAGE HEATER HANDOUT**

**Inspection Record card or summary permit sheet** shall be available and shall remain on the job site until the final inspection has been made.

164 (259) 461-4777 to schedule your final inspection. For same day inspection, please call between 8:00 a.m. – 9:00 a.m.

### **Heating Equipment**

→ Listed and installed per manufacturer – provide instructions.

→ Check clearances to furnace.

- 30” in front
- 1” sides and back minimum (read installation instructions)
- 6” to combustibles single wall vent
- 1” to combustibles Class B vent

→ Provide flue gas test (ORSAT) on all heat producing equipment indicating:

- Carbon monoxide (CO) < 400 parts per million
- Carbon dioxide (CO<sup>2</sup>) 6-9%
- Oxygen (O<sup>2</sup>) 4-10%
- Stack temperature = 480° F. for metal and = 200° F for plastic

### **Venting**

→ Every garage heater that produces products of combustion shall be vented to the exterior.

→ Check vent connector rise and length to vent. (1/4” per foot min rise 6 feet max).

→ Furnace needs to be vented per manufactures installation instructions (read installation instructions).

- Must have roof cap installed on top of flue.
- Must have 3 screws per joint on single wall vent.

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- Must have 25# air test for 12 hours on gas line, homeowner or contractor responsible for test equipment.
- Copper tubing (Type L, K or ACR), iron, galvanized or black steel with threaded fittings or welded pipe.
- Branch lines not connected to appliances must be plugged.
- Check gas lines are not bent, strained or kinked.
- Joints need to be brazed, not soldered. Must use couplings for reducers.
- Strap all gas lines every 6' with copper straps.
- Shutoffs for appliances outside of appliance and within 3'.
- Must have drip-T on gas line.
- Must have Maxitrol installed horizontal and level with a drip-T before the Maxitrol on the high pressure side.
- Must have shut-off and union on furnace gas supply.