

Residential Furnace Inspection Checklist

2015 Minnesota Mechanical Code and Fuel Gas Code (MMC + MFGC)

1. Installed according to manufacturer's installation requirements ([MIR](#)), [IMC 304.1](#).
2. When installed in private garage location;
 - a. 6' above floor or protected from motor vehicle impact, [IMC 304.7](#).
 - b. Ignition source at least 18 inches above floor, [IMC 304.3](#).
3. When installing a furnace in a new home, a 10-minute 25-pound air test is required on the main gas line from gas meter to furnace, [IFGC 406.4.1+2](#).
4. When replacing an existing furnace, a gas system leakage check of connections between new and existing piping is required after the gas is turned on, [IFGC 406.6.3](#).
5. Gas system leakage checks are required for new installations and when replacing existing gas burning appliances. It may be done with a noncorrosive fluid or manometer, [IMC 406.1.3](#).
6. Replacement of a natural draft furnace requires combustion air brought into the home, [IFGC 304](#). *High efficiency sealed combustion furnaces have their own dedicated combustion air.*
7. A natural draft atmospheric vent through a chimney requires a metal liner, [IFGC 501.12](#).
8. Gas piping support: ½" copper tubing every 4', ½" steel or 5/8" copper every 6'. [IFGC T-415.1](#).
9. Vent connector pipes require a minimum ¼" per foot slope, [MMC 803.10.5](#). and joints fastened with sheet metal screws, [MMC 803.10.1](#). (*The minimum 3-screws requirement is no longer in the code*).
10. Connectors clearance to combustibles, [MMC 803.10.6](#).
11. CSST (when used) shall be properly grounded, [MIR](#).
12. A minimum 3" long sediment trap shall be located ahead of the regulator at a 90 degree change of direction to gas flow, [IFGC 408.4](#).
13. Shut-off valve shall be located in same room as the appliance, within 6' of the appliance and upstream of the union or quick disconnect device and regulator, [MMC 409.5.1](#).
14. Front service space not less than 30 inches, [MMC 306.2 Exception](#).
15. Exterior air intake and exhaust outlets shall be properly spaced and sealed, [MIR](#).
16. Sealed combustion intake and exhaust pipes must be pitched back to furnace, [MIR](#).
17. All furnaces require a filter installed to properly run, [MIR](#).
18. Electrical wires providing power to appliance shall be properly connected, [Electrical Code](#). (*If you have an electrical question during your inspection, call the electrical inspector on his cell phone*).

Note: This is only a basic list of requirements. Refer to sited references and [MIR](#) for additional information.