

Residential Furnace Inspection Checklist

2015 Minnesota Mechanical Code (MC), Fuel Gas Code (FGC), Manufacture Requirements (MR)

1. Installed according to manufacturer's installation instructions, [MC 304.1](#)
2. When installed in private garage location;
 - a. 6' above floor or protected from motor vehicle impact, [MC 304.7](#)
 - b. Ignition source at least 18 inches above floor, [MC 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 the gas meter to the furnace, [FGC 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, [FGC 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, [MC 406.1.3](#)
6. Replacement of a natural draft furnace requires combustion air brought into the home, [FGC 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, [FGC 501.12](#)
8. Gas piping support, ½" copper tubing every 4', ½" steel or 5/8" copper every 6'. [FGC T-415.1](#)
9. CSST piping systems shall be installed according to manufacture requirements, [FGC 404.2](#)
10. All vent pipes shall be adequately supported, [FGC 502.6](#)
11. Vent connector pipes require a minimum ¼" per foot slope, [MC 803.10.5](#)
12. Connectors clearance to combustibles, [MC 803.10.6](#)
13. Sediment trap minimum length 3", located ahead of regulator, [FGC 408.4](#)
14. 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, [MC 409.5.1](#)
15. Front service space not less than 30 inches, [MC 306.2 Exception](#)
16. Exterior air intake and exhaust outlets shall be properly spaced and sealed, [MR](#)
17. Sealed combustion intake and exhaust pipes must be pitched back to furnace, [MR](#)
18. All furnaces require a filter installed to properly run, [MR](#)
19. Electrical wires, controls and connections to appliance according to NFPA 70, [MC 301.10](#)