



Gas or Oil Fired Boiler Installation Inspection Checklist

This checklist is a guide and does not include all code requirements.

Mechanical Requirements:

- Each appliance shall have a 30" x 30" level working space. IRC M1305.1.2
- If in garage, the boiler ignition source must be not less than 18 inches above floor. IRC M1307.3
- If in garage, boiler which is in direct route of an automobile shall have impact protection. (Pipe bollards or curb stops installed to prevent vehicle impact into the appliance.) IRC M1307.3.1
- Combustion air is required for gas and oil boilers required per IRC Chapters 17 and 24.
- Low water cut-off device required for all boilers. IRC M2002.5
- Oil tanks must be installed at least 5 feet from the oil burner or separated by walls. IRC M2201.2.1
- Boiler requires backflow prevention on cold water supply. (Watts 9 D or equal). IPC 608.16.2

Electrical Requirements:

- Oil burner supply circuit shall be controlled by an identified switch located at the entrance to the room that contains the boiler. NFPA 31 Section 10.5
- Light(s) and switch needed at service side of appliance. IRC M1305.1.3.1
- Circuit breaker (s) for the boiler must be properly sized and labeled in the electrical panel. Tandem breaker may be needed in a 20 or 30 position circuit panel or a subpanel may be needed. Note: Tandem breakers are only approved in locations specified in the panel's manufacturer's UL listing. IRC E3403.3
- Single conductors on circuit breakers unless breaker approved for 2 conductors under a circuit breaker device screw. (Nut and make take tails if terminal rated for 1 conductor) IRC E3406.10
- Wiring for boiler must be MC cable or conduit on outside of boiler cabinet. IRC E3802
- MC cable to be secured within 12 inches of device boxes. Knockouts in boxes removed to feed wires into boiler junction box require approved bushings. IRC Table E3802.1
- 120-volt tamper resistant service receptacle installed within 25 feet of boiler. IRC E3901.12
- Receptacle must be GFCI if in an unfinished basement area or garage. IRC E3902.5
- Electrical circuit to new boilers must have equipment grounding conductor. IRC E3908.1
- Metal boxes on boiler are to be rigidly supported on the boiler and boxes are to be grounded with green ground screw/clip. IRC E3908.15
- Bushings required for rigid metal conduit where conductors leave the conduit. NEC 344.46
- Wires, cables or conduit shall not be attached to boiler hot water piping. IRC Chapter 38