

**CHAPTER 33.1-14-08**  
**HEATING, LOW PRESSURE, AND HOT WATER SUPPLY BOILERS -**  
**NEW INSTALLATIONS**

Section

33.1-14-08-01 Requirements

**33.1-14-08-01. Requirements.**

1. Unless exempt by this article, a heating or low-pressure boiler may not be installed in this state unless it has been constructed, inspected, and stamped to conform with section IV of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code and is approved, registered, and inspected in accordance with the requirements of this article.
2. All new installation boilers, including reinstalled boilers, must be installed in accordance with the requirements of the National Board Inspection Code and this article.
3. Heating boilers shall have a minimum of at least thirty-six inches [914 millimeters] between the top of the heating boiler and any overhead structure and at least thirty-six inches [914 millimeters] between all sides of the heating boiler and adjacent walls, structures, or other equipment. Heating boilers having manholes shall have at least eighty-four inches [2,135 millimeters] of clearance between the manhole opening and any wall, ceiling, piping, or other equipment that may prevent a person from entering the heating boiler. Alternative clearances in accordance with the manufacturer's recommendations are subject to acceptance by the chief boiler inspector.
4. A manually operated emergency shutoff switch or circuit breaker must be located just outside the boiler room door and marked for easy identification. Consideration should be given to the type and location of the switch to safeguard against tampering. If the boiler room door is on the building exterior, the switch must be located just inside the door. If there is more than one door to the boiler room, there must be a switch located at each door. The emergency switch or circuit breaker must disconnect all power to the burner controls. This requirement is limited to single and modular boilers exceeding four hundred thousand British thermal units per hour input installed after January 1, 2006.
5. The owner or user shall install a carbon monoxide detector or alarm in equipment rooms where fuel-fired boilers and/or fuel-fired pressure vessels are located in accordance with the authority having jurisdiction.
6. Hot water supply boilers may not be installed unless constructed and approved in accordance with the American gas association, the American national standards institute, or the American Society of Mechanical Engineers Code.
7. All new boilers, except those exempt by law, to be installed in North Dakota must be reported to the chief boiler inspector by the owner or user, and by the installer.

**History:** Effective July 1, 2020.

**General Authority:** NDCC 23.1-16-05

**Law Implemented:** NDCC 23.1-16-05