

522 CMR 19.00: PORTABLE BOILERS

Section

19.01: Scope and Application

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522 CMR 19.00 applies to all temporary use portable Boilers.

- (1) The Owner/User of a portable Boiler is responsible for ensuring his or her Boiler is in compliance with 522 CMR 19.00.
- (2) All portable Boilers covered by M.G.L. c. 146 shall conform to the construction rules of the *ASME Boiler and Pressure Vessel Code* Sections I and Section IV as applicable.
- (3) Any portable Boiler brought into the Commonwealth from another jurisdiction shall be inspected as follows:
  - (a) The First Inspection for any portable steam Boiler shall be performed by a District Engineering Inspector and such Boiler shall be issued a state number from the Department.
  - (b) Any portable Boiler which has a current valid Massachusetts Certificate shall receive prior to operation an External Inspection under pressure performed by District Engineering Inspector or an Authorized Inservice Inspector.
- (4) Any portable Boiler already in the Commonwealth may be moved to another location within the Commonwealth under the following conditions:
  - (a) The portable Boiler has previously received a First Inspection by a District Engineering Inspector and been assigned a state boiler number;
  - (b) The portable Boiler has been Internally Inspected by a District Engineering Inspector or an Authorized Inservice Inspector within the past year;
  - (c) Hot water Boilers shall have been Internally Inspected within the past three years by a District Engineering Inspector or an Authorized Inservice Inspector;
  - (d) An operational inspection under pressure of a Low Pressure/Heating Boiler is conducted by a District Engineering Inspector or an Authorized Inservice Inspector;
  - (e) An operational inspection under pressure of a High Pressure/Power Boiler is conducted by a District Engineering Inspector or an Authorized Inservice Inspector; and/or
  - (f) All engineers and firemen in charge of a portable Boiler shall notify the Department in writing, within seven days of their appointment, of the location of the portable Boiler of which they are in charge. When accepting or leaving a position as an engineer or fireman in charge, the engineer or fireman shall notify the Department within seven days.
- (5) Hot water Low Pressure/Heating Boilers shall receive an External Inspection operating under pressure by a District Engineering Inspector or an Authorized Inservice Inspector at the location of installation.
- (6) The company shall notify the Division in a format approved by the Chief in advance or as soon as practicable when they are bringing a portable Boiler into the Commonwealth or moving a Boiler to a new location.
- (7) High Pressure/Power Boilers shall be trimmed to meet the following requirements: The discharge from the blowdown systems (bottom, surface, or LWCOs) shall be directed to either a blowdown tank on the portable trailer or hard piped to a blowdown tank at the location.
- (8) High Pressure/Power Boilers shall have certification for the Boiler external piping as defined in the 2021 *ASME Boiler and Pressure Vessel Code* Section I, *Rules for Construction of Power Boilers*. This shall be documented as follows:
  - (a) On the Boiler's ASME required manufacturer's data report forms;
  - (b) Stamped on the PP Piping;
  - (c) On a name plate attached to the Boiler or PP Piping; or
  - (d) With manufacturer's documentation demonstrating that the piping or hoses comply with the maximum pressure and temperature ratings of the Boiler.

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(9) Low Pressure/Heating Boilers shall have the blow offs and drains discharge to a safe location.

(10) In cases where the Boiler may be set up for multiple controls (high and low pressure operation), only one set of controls shall be physically connected to control the burner. All other controls shall be physically disconnected and removed. A change of service from high pressure to low pressure or low pressure to high pressure shall require a reinspection and a new Certificate, and the safety valve shall be changed to reflect the proper MAWP.

(11) Installed boiler controls shall be designed for the intended range of operation. High pressure controls shall not be reset to function as low pressure controls.

(12) Where required by M.G.L. c. 146, and 522 CMR, the appropriate license for the Engineer in Charge and the Operator of the portable Boiler shall be posted on site.

(13) The location of installation shall be noted in the inspection form.

REGULATORY AUTHORITY

522 CMR 19.00: M.G.L. c. 146, §§ 1 through 51, 56 through 64 and 66 through 80.