

481—390.14(89) Conversion of a power boiler to a low-pressure boiler. The following requirements apply to the conversion of a power boiler to a low-pressure boiler. The owner shall comply with the requirements of subrule 390.15(1) for each conversion. In addition, the owner shall comply with the requirements of subrule 390.15(2) if the converted object will be located outside of a place of public assembly or with the requirements of subrule 390.15(3) if the converted object will be located in a place of public assembly.

390.14(1) General requirements.

a. The owner shall provide to the director written notice of intent to convert a power boiler to a low-pressure boiler prior to conversion. The required form for a notice of conversion is available on the department's website. At a minimum, the notice shall contain the following:

- (1) Address, uses, and owner of the building where the boiler is located.
- (2) The Iowa identification number assigned to the boiler.
- (3) Name and contact information for the person completing the notice.
- (4) Name and contact information for the contractor or other person planning to perform the conversion.

b. Pressure controls shall not exceed 15 psi.

c. All boiler controls shall comply with ASME CSD-1.

d. Safety valves and safety relief valves shall be manufactured in accordance with a national or international standard.

e. One or more spring-pop safety valves meeting the following requirements shall be installed on each steam boiler:

- (1) The valve shall be adjusted and sealed to discharge at a pressure not to exceed 15 psig.
- (2) The valve capacity shall be certified by the National Board.

f. The converted boiler shall be subject to post-conversion external inspection to ensure that the requirements of this rule are met.

390.14(2) Boilers located outside places of public assembly. A power boiler that was converted to a low-pressure boiler and that is located outside of a place of public assembly shall not be converted back to a power boiler unless the following requirements are met:

a. The owner shall notify the director at least ten days prior to converting the boiler.

b. The owner shall comply with the editions of ASME Section I and CSD-1 in effect at the time of the second conversion.

c. The owner shall comply with the version of 481—Chapter 392 in effect at the time of the second conversion.

390.14(3) Boilers located in places of public assembly. A power boiler converted to a low-pressure boiler that is located in a place of public assembly complies with 481—Chapter 394.

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