

**WAC 296-104-301 Installation—What control and limit devices are required on automatically fired power boilers after June 1989?** In addition to those requirements listed in WAC 296-104-300, the following are also required:

- (1) All steam power boilers shall be equipped with:
  - (a) Two high steam pressure limit controls, the highest of which shall be provided with a manual reset.
  - (b) Two low-water fuel cutoffs, one of which shall be provided with a manual reset device and independent of the feed water controller.
- (2) Coil type flash steam boilers may use two high-temperature limit controls, one of which shall have a manual reset. This is instead of the low-water fuel cutoff.
- (3) All high temperature water (greater than 250°F) power boilers shall be equipped with:
  - (a) Two high-temperature limit controls, the highest of which shall be provided with a manual reset.
  - (b) Two low-water fuel cutoffs, one of which shall be provided with a manual reset device and independent of the feed water controller.
- (4) All controls and limit devices shall be tested or verified by means acceptable by the jurisdiction.
- (5) For installations after December 2004 - All automatically fired power boilers with input greater than 400,000 Btu/hr, including electric boilers with input greater than 117 kW, shall have a manually operated remote shutdown switch or circuit breaker. When an existing remote shutdown switch exists, all boilers may be connected to the existing switch to allow for remote shutdown of all boilers in the room. When an additional boiler is added to the room where an existing remote shutdown switch does not exist, all boilers meeting the input requirements should be added to the new remote shutdown switch. Activation of the emergency shutdown switch or circuit breaker shall immediately shut off the fuel or energy supply and initiate the boiler shutdown sequence in accordance with manufacturer's recommendations where applicable. The shutdown switch should 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 should be located just inside the door. If there is more than one door to the boiler room, there should be a switch located at each door.

[Statutory Authority: Chapter 70.79 RCW. WSR 20-06-058, § 296-104-301, filed 3/3/20, effective 4/3/20; WSR 04-21-069, § 296-104-301, filed 10/19/04, effective 1/1/05.]