



Low Pressure/Cast Iron Boiler Overview:

Low pressure boilers may be used in steam heating or hot water heating applications. Steam boilers are limited to pressures not exceeding 15 psi. Hot water boilers are limited to pressures not exceeding 160 psi and/or temperatures not exceeding 250° F.

Steam Boilers must have at least one (1) safety valve with a set pressure not to exceed 15 psi.

Hot water boilers must have at least one (1) safety relief valve with a set pressure at or below the maximum allowable working pressure (MAWP) marked on the boiler.

Safety relief valves must be installed so the spindle is in vertical position.



Boiler Safety Inspection

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Learn more about Boiler safety in Maryland by
logging onto:

www.dllr.maryland.gov/labor/safety/boil.shtml



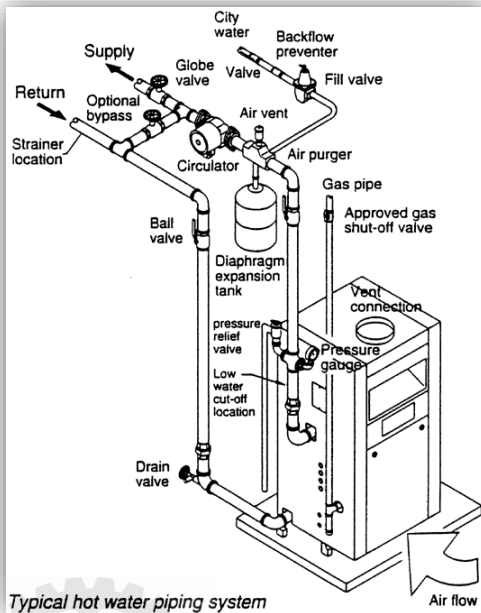
Maryland Low Pressure Boilers (Including Cast Iron Boilers)



*Our mission is to inspect boilers and
pressure vessels in order to reduce
danger to the public.*

A STEAM boiler must have:

- A pressure gauge with a siphon on the gauge piping.
- A water gauge glass.
- Two pressure controls; one is considered the operating control and the other is considered the high limit control.
- An automatic low water fuel cutoff-if the boiler is auto fired, and an additional low-water fuel cutoff with a manual reset switch.



When working with or around a Boiler, ALWAYS:

- Respect the boiler; it can be dangerous.
- Keep your boiler room clean.
- Keep a check on leaks and rectify without delay.
- Do not store flammables in the boiler room.
- In an emergency, remain calm and use the emergency devices.
- In case of fire operate Emergency Shut Off switch.
- Maintain a Log of Boiler Operations, Maintenance, Repairs and Tests.
- Keep the boiler room ventilated.

Boilers and Pressure Vessel Installers shall notify the Chief Boiler Inspector in writing at least thirty (30) days prior to installation.

A HOT WATER boiler must have:

- A pressure gauge.
- A thermometer
- Two temperature controls, one is considered the operating control and the other is considered the high limit control and must be equipped with a manual reset.
- An automatic low water fuel cut-off. If the input is greater than 400,000 BTU, an additional low water fuel cut off with a manual reset switch.
- A suitable foundation to support the weight of the boiler.

