

Requirements for piping on Hobby Boilers

This shall be used as the minimum piping requirements for all traction engines, historical boilers and stationary show boilers.

Boiler proper piping:

- All piping under pressure shall be seamless and schedule 80. Recommended piping: SA-53 Grade A or B, SA-106 Grades A, B, or C.
- All replacement fittings and valves must be steam rated for the appropriate pressure. Note: Ball valves shall not be used for main steam shut-off, blow-down or blow-off.
- **Galvanized piping** is not allowed on any steam, feed water, condensate return, or blow-off piping.
- Blow down valves shall be of the slow opening type, and the blow-down line shall be plugged or capped during the time the boiler is operating on display.
- Piping at the point of entry to the boiler shall be fitted with a cross to allow inspection of piping. Examples: feedwater, gauge glass, pressure gauge, etc.

Boiler External piping on stationary boilers:

- On all Stationary boilers, all new steam, feed water, condensate and blow-off piping after the first stop valve must be installed by a contractor with the appropriate permit in accordance with the High Pressure Piping Code 5230.0250 – 5230.1060.



Chief Boiler Inspector
Department of Labor and Industry

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