

### **13 NCAC 13 .0422 EXHIBITION BOILERS**

Exhibition boilers shall meet the following requirements:

- (1) Exhibition boilers that are not built to the ASME Code shall not be operated above 125 psig without written approval by the Chief Inspector, who shall base such approval on documentation and calculations submitted by the owner or user. The documents and calculations, with an inspection, must provide evidence to support the exhibition boiler operating at higher pressure ratings.
- (2) Safety relief valves shall not exceed the maximum allowed working pressure of the boiler and shall be ASME/NB certified valves.
- (3) Each boiler shall have:
  - (a) an operating pressure gauge which shall be approximately double the pressure to which the safety relief valve is set but in no case shall it be less than 1 1/2 times the set pressure;
  - (b) a safety relief valve which shall be capable of protecting the boiler from over pressurization; and
  - (c) a water gauge glass.
- (4) When fusible plugs are used, they shall conform to NBIC Part 2 as applicable.
- (5) A hydrostatic test shall be required by the inspector if it is necessary to prove the integrity of the pressure boundary. The hydrostatic test shall not exceed 125 percent of the maximum allowed working pressure of the vessel or the set pressure of the safety valve, whichever is greater.
- (6) Upon completion of the inspection and payment of the applicable fees referenced in this Chapter, the Chief Inspector shall issue a Certificate of Inspection valid for one year.

*History Note:* Authority G.S. 95-69.11; 95-69.14;  
Eff. July 1, 2006;  
Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. July 22, 2018;  
Amended Eff. November 1, 2024; April 1, 2022.