§ 56.97–40  Installation tests.

(a) The following piping systems shall be hydrostatically leak tested in the presence of a marine inspector at a pressure of 1 1/2 times the maximum allowable working pressure of the system:

1. Class I steam, feedwater, and blowoff piping. Where piping is attached to boilers by welding without practical means of blanking off for testing, the piping shall be subjected to the same hydrostatic pressure to which the boiler is tested. The maximum allowable working pressures of boiler feedwater and blowoff piping shall be the design pressures specified in §§56.50–30(a)(3) and 56.50–40(b), respectively.

2. Fuel oil discharge piping between the pumps and the burners, but not less than 500 pounds per square inch.

3. High-pressure piping for tank cleaning operations.

4. Flammable or corrosive liquids and compressed gas cargo piping, but not less than 150 pounds per square inch.


6. Cargo oil piping.

7. Firemains, but not less than 150 pounds per square inch.


9. Class I compressed air piping.

10. Fixed oxygen-acetylene system piping.

(b) Installation testing requirements for refrigeration, fluid power, and liquefied petroleum gas cooking and heating systems may be found in part 58 of this subchapter.

(c) Class II piping systems shall be tested under working conditions as specified in the section on initial service leak test, §56.97–38.

[CGFR 68–82, 33 FR 18872, Dec. 18, 1968, unless otherwise noted.]

6 CFR Ch. I (10–1–13 Edition)
§ 57.02–2 Adoption of section IX of the ASME Code.

(a) The qualifications for all types of welders and brazers, the qualification of welding procedures, and the production tests for all types of manual and machine arc and gas welding and brazing processes shall be in accordance with section IX of the ASME (American Society of Mechanical Engineers) Code, as limited, modified, or replaced by specific requirements in this part. For general information Table 57.02–1(a) lists the various paragraphs in section IX of the ASME Code which are limited, modified, or replaced by regulations in this part.

(b) References to the ASME Code, like paragraph QW–131.1 indicate:

QW=Section IX, Welding and Brazing Qualifications, ASME Code.

(1) As stated in §50.15–5 of this subchapter, section IX of the ASME Code is adopted and shall be the governing requirements for the qualification of all types of welders and brazers, the qualification of all types of welding procedures, and the production tests for all types of manual and machine arc and gas welding and brazing processes used in fabricating power boilers, heating boilers, pressure vessels and piping unless specifically limited, modified or replaced by other regulations in this part.

(b) References to the ASME Code, like paragraph QW–131.1 indicate:

QW=Section IX, Welding and Brazing Qualifications, ASME Code.