

§ 50.30-20

when determined necessary by the Officer in Charge, Marine Inspection. The inspections described in this section are required, unless specifically exempted by other regulations in this subchapter.

(b) The first inspection of Class II welded pressure vessels shall be performed during the welding of the longitudinal joint. At this time the marine inspector shall check the material and fit-up of the work, and ascertain that only welders who have passed the required tests are employed.

(c) A second inspection of Class II welded pressure vessels shall be made during the welding of the circumferential joints. At this time the marine inspector shall check any new material being used which may not have been examined at the time of the first inspection, also the fit-up of the vessel at this stage of fabrication, and in addition, observe the welding and ascertain that only welders who have passed the required tests are employed.

§ 50.30-20 Class III pressure vessels.

(a) Class III pressure vessels shall be subject to shop inspection at the plant where they are being fabricated, as or when determined necessary by the Officer in Charge, Marine Inspection. The inspection described in this section is required, unless specifically exempted by other regulations in this subchapter.

(b) For Class III welded pressure vessels, one inspection shall be made during the welding of the longitudinal joint. If there is no longitudinal joint, the inspection shall be made during the welding of a circumferential joint. At this time the marine inspector shall check the material and fit-up of the work and see that only welders who have passed the required tests are employed.

PART 51 [RESERVED]

PART 52—POWER BOILERS

Subpart 52.01—General Requirements

Sec.

52.01-1 Incorporation by reference.

52.01-2 Adoption of section I of the ASME Code.

46 CFR Ch. I (10-1-04 Edition)

52.01-3 Definitions of terms used in this part.

52.01-5 Plans.

52.01-10 Automatic controls.

52.01-35 Auxiliary, donkey, fired thermal fluid heater, and heating boilers.

52.01-40 Materials and workmanship.

52.01-50 Fusible plugs (modifies A-19 through A-21).

52.01-55 Increase in maximum allowable working pressure.

52.01-90 Materials (modifies PG-5 through PG-13).

52.01-95 Design (modifies PG-16 through PG-31 and PG-100).

52.01-100 Openings and compensation (modifies PG-32 through PG-39, PG-42 through PG-55).

52.01-105 Piping, valves and fittings (modifies PG-58 and PG-59).

52.01-110 Water-level indicators, water columns, gauge-glass connections, gauge cocks, and pressure gauges (modifies PG-60).

52.01-115 Feedwater supply (modifies PG-61).

52.01-120 Safety valves and safety relief valves (modifies PG-67 through PG-73).

52.01-130 Installation.

52.01-135 Inspection and tests (modifies PG-90 through PG-100).

52.01-140 Certification by stamping (modifies PG-104 through PG-113).

52.01-145 Manufacturers' data report forms (modifies PG-112 and PG-113).

Subpart 52.05—Requirements for Boilers Fabricated by Welding

52.05-1 General (modifies PW-1 through PW-54).

52.05-15 Heat treatment (modifies PW-10).

52.05-20 Radiographic and ultrasonic examination (modifies PW-11 and PW-41.1).

52.05-30 Minimum requirements for attachment welds (modifies PW-16).

52.05-45 Circumferential joints in pipes, tubes and headers (modifies PW-41).

Subpart 52.15—Requirements for Watertube Boilers

52.15-1 General (modifies PWT-1 through PWT-15).

52.15-5 Tube connections (modifies PWT-9 and PWT-11).

Subpart 52.20—Requirements for Firetube Boilers

52.20-1 General (modifies PFT-1 through PFT-49).

52.20-17 Opening between boiler and safety valve (modifies PFT-44).

52.20-25 Setting (modifies PFT-46).

Subpart 52.25—Other Boiler Types

- 52.25-1 General.
- 52.25-3 Feedwater heaters (modifies PFH-1).
- 52.25-5 Miniature boiler (modifies PMB-1 through PMB-21).
- 52.25-7 Electric boilers (modifies PEB-1 through PEB-19).
- 52.25-10 Organic fluid vaporizer generators (modifies PVG-1 through PVG-12).
- 52.25-15 Fired thermal fluid heaters.
- 52.25-20 Exhaust gas boilers.

AUTHORITY: 46 U.S.C. 3306, 3307, 3703; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; Department of Homeland Security Delegation No. 0170.1.

SOURCE: CGFR 68-82, 33 FR 18815, Dec. 18, 1968, unless otherwise noted.

Subpart 52.01—General Requirements

§ 52.01-1 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a). To enforce any edition other than that specified in paragraph (b) of this section, the Coast Guard must publish notice of change in the FEDERAL REGISTER and make the material available to the public. All approved material is on file at the U.S. Coast Guard, Office of Design and Engineering Standards (G-MSE), 2100 Second Street SW., Washington, DC 20593-0001 and is available from the sources indicated in paragraph (b) of this section or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) The material approved for incorporation by reference in this part and the sections affected are:

American Society of Mechanical Engineers (ASME) International

Three Park Avenue, New York, NY 10016-5990

Boiler and Pressure Vessel Code, Section I, Power Boilers, July 1989 with 1989 addenda 52.01-2; 52.01-5; 52.01-50; 52.01-90; 52.01-95; 52.01-100; 52.01-105; 52.01-110; 52.01-115; 52.01-120; 52.01-135; 52.01-140; 52.01-145; 52.05-1; 52.05-15; 52.05-

20; 52.05-30; 52.05-45; 52.15-1; 52.15-5; 52.20-1; 52.20-17; 52.20-25; 52.25-3; 52.25-5; 52.25-7; 52.25-10

[CGD 88-032, 56 FR 35821, July 29, 1991, as amended by CGD 95-072, 60 FR 50462, Sept. 29, 1995; CGD 96-041, 61 FR 50727, Sept. 27, 1996; USCG-1999-6216, 64 FR 53224, Oct. 1, 1999]

§ 52.01-2 Adoption of section I of the ASME Code.

(a) Main power boilers and auxiliary boilers shall be designed, constructed, inspected, tested, and stamped in accordance with section I of the ASME (American Society of Mechanical Engineers) Code, as limited, modified, or replaced by specific requirements in this part. The provisions in the appendix to section I of the ASME Code are adopted and shall be followed when the requirements in section I make them mandatory. For general information Table 52.01-1(a) lists the various paragraphs in section I of the ASME Code which are limited, modified, or replaced by regulations in this part.

TABLE 52.01-1(A)—LIMITATIONS AND MODIFICATIONS IN THE ADOPTION OF SECTION I OF THE ASME CODE

Paragraphs in section I, ASME Code ¹ and disposition	Unit of this part
PG-1 replaced by	54.01-5(a)
PG-5 through PG-13 modified by	52.01-90
PG-16 through PG-31 modified by	52.01-95
PG-32 through PG-39 modified by	52.01-100
PG-42 through PG-55 modified by	52.01-100
PG-58 and PG-59 modified by	52.01-105
PG-60 modified by	52.01-110
PG-61 modified by	52.01-115
	(56.50-30)
PG-67 through PG-73 modified by	52.01-120
PG-90 through PG-100 modified by	52.01-135
	(52.01-95)
PG-91 modified by	52.01-135(b)
PG-99 modified by	52.01-135(c)
PG-100 modified by	52.01-95(e)
PG-104 through PG-113 modified by	52.01-140(a)
PG-112 and PG-113 modified by	52.01-145
PW-1 through PW-54 modified by	52.05-1
PW-10 modified by	52.05-15
PW-11.1 modified by	52.05-20
PW-16 modified by	52.05-30
PW-41 modified by	52.05-20, 52.05-45
PWT-1 through PWT-15 modified by	52.15-1
PWT-9 modified by	52.15-5
PWT-9.2 replaced by	52.15-5(b)
PWT-11 modified by	52.15-5
PWT-11.3 replaced by	52.15-5(b)
PFT-1 through PFT-49 modified by	52.20-1
PFT-44 modified by	52.20-17
PFT-46, modified by	52.20-25
PFH-1 modified by	52.25-3
PMB-1 through PMB-21 modified by	52.25-5
PEB-1 through PEB-19 modified by	52.25-7
PVG-1 through PVG-12 modified by	52.25-10