

§ 63.05-1

waste materials and garbage. This part also includes incinerators which serve as automatic auxiliary boilers.

(6) Fired thermal fluid heaters and their controls.

(b) *Exceptions.* Automatic boilers having heat input ratings of 12,500,000 Btu/hr. (3.66 megawatts) and above must meet the requirements of part 52 of this chapter. Their control systems must meet the requirements of part 62 of this chapter. Electric cooking equipment must comply with §111.77-3 of this chapter. Electric oil immersion heaters must comply with part 111, subpart 111.85 of this chapter. Electric air heating equipment must comply with part 111, subpart 111.87 of this chapter.

[CGD 88-057, 55 FR 24238, June 15, 1990, as amended by USCG-2002-13058, 67 FR 61278, Sept. 30, 2002; USCG-2004-18884, 69 FR 58346, Sept. 30, 2004]

Subpart 63.05—Reference Specifications

§ 63.05-1 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in this section, the Coast Guard must publish notice of change in the FEDERAL REGISTER and the material must be available to the public. All approved material is available for inspection 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. The material is also available for inspection at the Coast Guard Headquarters. Contact Commandant (CG-ENG), Attn: Office of Design and Engineering Systems, U.S. Coast Guard Stop 7509, 2703 Martin Luther King Jr. Avenue SE., Washington, DC 20593-7509. The material is also available from the sources listed in paragraphs (b) through (g) of this section.

(b) *American Gas Association*, 1515 Wilson Boulevard, Arlington, VA 22209:

46 CFR Ch. I (10-1-13 Edition)

(1) ANSI/AGA Z21.22-86 Relief Valves and Automatic Shutoff Devices for Hot Water Supply Systems, March 28, 1986 (“ANSI/AGA Z21.22”), 63.25-3; and

(2) [Reserved]

(c) *American Society of Mechanical Engineers (ASME) International*, Three Park Avenue, New York, NY 10016-5990:

(1) ASME CSD-1-2004, Controls and Safety Devices for Automatically Fired Boilers (2004) (“ASME CSD-1”), 63.10-1; 63.15-1; 63.20-1; and

(2) [Reserved]

(d) *ASTM International (formerly American Society for Testing and Materials) (ASTM)*, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959:

(1) ASTM F 1323-2001, Standard Specification for Shipboard Incinerators (2001) (“ASTM F 1323”), 63.25-9; and

(2) [Reserved]

(e) *International Maritime Organization (IMO)*, Publications Section, 4 Albert Embankment, London, SE1 7SR United Kingdom:

(1) Resolution MEPC.76(40), Standard Specification for Shipboard Incinerators (Sep. 25, 1997) (“IMO MEPC.76(40)”), 63.25-9; and

(2) The International Convention for the Prevention of Pollution from Ships (MARPOL 73/78), Annexes I, II, III, and V (1978) (“IMO MARPOL 73/78”), 63.25-9

(f) *International Organization for Standardization (ISO)*, Case postale 56, CH-1211 Geneva 20, Switzerland:

(1) ISO 9096, Stationary source emissions—Manual determination of mass concentration of particulate matter, Second edition (Feb. 1, 2003) (“ISO 9096”), 63.25-9;

(2) ISO 10396, Stationary source emissions—Sampling for the automated determination of gas emission concentrations for permanently-installed monitoring systems, Second edition (Feb. 1, 2007) (“ISO 10396”), 63.25-9; and

(3) ISO 13617, Shipbuilding-Shipboard Incinerators—Requirements, Second Edition (Nov. 15, 2001) (“ISO 13617”), 63.25-9.

(g) *Underwriters’ Laboratories, Inc. (UL)*, 12 Laboratory Drive, Research Triangle Park, NC 27709-3995:

(1) UL 174, Standard for Household Electric Storage Tank Water Heaters, Tenth Edition, Feb. 28, 1996 (Revisions through and including Nov. 10, 1997) (“UL 174”), 63.25-3;

(2) UL 296, Oil Burners (1993) (“UL 296”), 63.15-5;

(3) UL 343, Pumps for Oil-Burning Appliances, Eighth Edition (May 27, 1997) (“UL 343”), 63.15-3; and

(4) UL 1453, Standard for Electric Booster and Commercial Storage Tank Water Heaters, Fourth Edition (Sep. 1, 1995) (“UL 1453”), 63.25-3.

[USCG-2003-16630, 73 FR 65190, Oct. 31, 2008, as amended by USCG-2009-0702, 74 FR 49229, Sept. 25, 2009; USCG-2012-0832, 77 FR 59778, Oct. 1, 2012; USCG 2013-0671, 78 FR 60149, Sept. 30, 2013]

Subpart 63.10—Miscellaneous Submittals

§ 63.10-1 Test procedures and certification report.

Two copies of the following items must be submitted. Visitors may deliver them to the Commanding Officer, Marine Safety Center, U.S. Coast Guard, 4200 Wilson Boulevard Suite 400, Arlington, VA 22203, or they may be transmitted by mail to the Commanding Officer (MSC), Attn: Marine Safety Center, U.S. Coast Guard Stop 7410, 4200 Wilson Boulevard Suite 400, Arlington, VA 20598-7410, in a written or electronic format. Information for submitting the VSP electronically can be found at <http://www.uscg.mil/HQ/MSC>.

(a) Detailed instructions for operationally testing each automatic auxiliary boiler, its controls, and safety devices.

(b) A certification report for each automatic auxiliary boiler that:

(1) Meets paragraph CG-510 of ASME CSD-1 (incorporated by reference, see 46 CFR 63.05-1); and

(2) Certifies that each automatic auxiliary boiler, its controls, and safety devices comply with the additional requirements of this part.

[CGD 88-057, 55 FR 24238, June 15, 1990, as amended by USCG-2007-29018, 72 FR 53965, Sept. 21, 2007; USCG-2003-16630, 73 FR 65190, Oct. 31, 2008; USCG-2009-0702, 74 FR 49229, Sept. 25, 2009; USCG 2013-0671, 78 FR 60149, Sept. 30, 2013]

Subpart 63.15—General Requirements

§ 63.15-1 General.

(a) Each automatic auxiliary boiler must be designed and constructed for its intended service according to the requirements of the parts referenced in § 54.01-5, Table 54.01-5(A) of this chapter.

(b) Controls and safety devices for automatic auxiliary boilers must meet the applicable requirements of ASME CSD-1 (incorporated by reference, see 46 CFR 63.05-1), except Paragraph CG-310.

(c) All devices and components of an automatic auxiliary boiler must satisfactorily operate within the marine environment. The boiler must satisfactorily operate with a momentary roll of 30°, a list of 15°, and a permanent trim of 5° with it installed in a position as specified by the manufacturer.

(d) An electrical control used to shut down the automatic auxiliary boiler must be installed in accordance with § 58.01-25 of this chapter. This device must stop the fuel supply to the fuel burning equipment.

(e) Mercury tube actuated controls are prohibited from being installed and used on automatic auxiliary boilers.

[CGD 88-057, 55 FR 24238, June 15, 1990, as amended by USCG-2003-16630, 73 FR 65191, Oct. 31, 2008]

§ 63.15-3 Fuel system.

(a) Firing of an automatic auxiliary boiler by natural gas is prohibited unless specifically approved by the Marine Safety Center.

(b) Heated heavy fuel oil may be used provided the heaters are equipped with a high temperature limiting device that shuts off the heating source at a temperature below the flashpoint of the oil and is manually reset. When a thermostatically-controlled electric oil heater and a level device is used, it must meet the requirements of part 111, subpart 111.85 of this chapter.

NOTE: An auxiliary boiler may be safely ignited from the cold condition using unheated diesel or light fuel oil and subsequently shifted to heated heavy fuel.