

## § 56.01-1

- 56.50-96 Keel cooler installations.
- 56.50-97 Instrument, control and sampling piping (modifies 122.3).
- 56.50-103 Fixed oxygen-acetylene distribution piping.
- 56.50-105 Low-temperature piping.
- 56.50-110 Diving support systems.

### Subpart 56.60—Materials

- 56.60-1 Acceptable materials and specifications (replaces 123 and Table 126.1 in ANSI-B31.1).
- 56.60-2 Limitations on materials.
- 56.60-3 Ferrous materials.
- 56.60-5 Steel (High temperature applications).
- 56.60-10 Cast iron and malleable iron.
- 56.60-15 Ductile iron.
- 56.60-20 Nonferrous materials.
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### Subpart 56.65—Fabrication, Assembly and Erection

- 56.65-1 General (replaces 127 through 135.4).

### Subpart 56.70—Welding

- 56.70-1 General.
- 56.70-3 Limitations.
- 56.70-5 Material.
- 56.70-10 Preparation (modifies 127.3).
- 56.70-15 Procedure.
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### Subpart 56.75—Brazing

- 56.75-5 Filler metal.
- 56.75-10 Joint clearance (reproduces 128.2.2).
- 56.75-15 Heating (reproduces 128.2.3).
- 56.75-20 Brazing qualification.
- 56.75-25 Detail requirements.
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### Subpart 56.80—Bending and Forming

- 56.80-5 Bending.
- 56.80-10 Forming (reproduces 129.2).
- 56.80-15 Heat treatment of bends and formed components.

### Subpart 56.85—Heat Treatment of Welds

- 56.85-5 Heating and cooling method (reproduces 131.1).
- 56.85-10 Preheating.
- 56.85-15 Postheat treatment.

### Subpart 56.90—Assembly

- 56.90-1 General.
- 56.90-5 Bolting procedure.
- 56.90-10 Threaded piping (reproduces 135.4).

### Subpart 56.95—Inspection

- 56.95-1 General (replaces 136).

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- 56.95-5 Rights of access of marine inspectors.
- 56.95-10 Type and extent of examination required.

### Subpart 56.97—Pressure Tests

- 56.97-1 General (replaces 137).
- 56.97-5 Pressure testing of nonstandard piping system components.
- 56.97-25 Preparation for testing (reproduces 137.3).
- 56.97-30 Hydrostatic tests (reproduces 137.4).
- 56.97-35 Pneumatic tests (replaces 137.5).
- 56.97-38 Initial service leak test (reproduces 137.7).
- 56.97-40 Installation tests.

AUTHORITY: 33 U.S.C. 1321(j), 1509; 43 U.S.C. 1333; 46 U.S.C. 3306, 3703; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; E.O. 12777, 56 FR 54757, 3 CFR, 1991 Comp., p. 351; Department of Homeland Security Delegation No. 0170.1.

SOURCE: CGFR 68-82, 33 FR 18843, Dec. 18, 1968, unless otherwise noted.

### Subpart 56.01—General

NOTE: See § 50.15-10 for general adoption of standards of the ANSI (American National Standards Institute). The printing of portions of the "American National Standard Code for Pressure Piping, Power Piping," ANSI-B31.1, is with the permission of the publisher, The American Society of Mechanical Engineers (ASME) International, Three Park Avenue, New York, N.Y. 10016-5990. The adoption of this standard ANSI-B31.1 for pressure piping and power piping is subject to specific limitations or modifications as described in this part. Those requirements in ANSI-B31.1 which are not referred to in this part are adopted without change. Table 56.01-5(a) sets forth a general reference to various paragraphs in ANSI-B31.1 which are limited, modified, or replaced by regulations in this part.

### § 56.01-1 Scope (replaces 100.1).

(a) This part contains requirements for the various ships' and barges' piping systems and appurtenances.

(b) The respective piping systems installed on ships and barges shall have the necessary pumps, valves, regulation valves, safety valves, relief valves, flanges, fittings, pressure gages, liquid level indicators, thermometers, etc., for safe and efficient operation of the vessel.

(c) Piping for industrial systems on mobile offshore drilling units need not fully comply with the requirements of

this part but must meet Subpart 58.60 of this subchapter.

[CGFR 68-82, 33 FR 18843, Dec. 18, 1968, as amended by CGD 73-251, 43 FR 56799, Dec. 4, 1978]

#### § 56.01-2 Incorporation by reference.

(a) Certain standards and specifications are 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 the one listed in paragraph (b) of this section, notice of the change must be published in the FEDERAL REGISTER and the material made available to the public. All approved material is available from the sources indicated in paragraph (b) 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](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

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

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)	
<i>11 West 42nd Street, New York, NY 10036</i>	
ANSI B1.1-82 Unified Inch Screw Threads (UN and UNR Thread Form) .....	56.60-1; 56.25-20
ANSI B1.20.1-83 Pipe Threads, General Purpose (Inch) .....	56.60-1
ANSI B1.20.3-76 (reaffirmed 1982) Dryseal Pipe Threads (Inch) .....	56.60-1
ANSI B16.1-75 Cast Iron Flanges and Flanged Fittings, Class 25, 125, 250 and 800 .....	56.60-1; 56.60-10
ANSI B16.3-85 Malleable Iron Threaded Fittings, Classes 150 and 300 .....	56.60-1
ANSI B16.4-85 Cast Iron Threaded Fittings, Classes 125 and 250 .....	56.60-1
ANSI B16.5-81 Pipe Flanges and Flanged Fittings ...	56.25-20; 56.30-10; 56.60-1
ANSI B16.9-86 Factory-Made Wrought Steel Butt Welding Fittings .....	56.60-1
ANSI B16.10-86 Face-to-Face and End-to-End Dimensions of Ferrous Valves .....	56.60-1
ANSI B16.11-80 Forged Steel Fittings, Socket-Welding and Threaded .....	56.30-5; 56.60-1
ANSI B16.14-83 Ferrous Pipe Plugs, Bushings, and Locknuts with Pipe Threads .....	56.60-1

ANSI B16.15-85 Cast Bronze Threaded Fittings, Classes 125 and 250 .....	56.60-1
ANSI B16.18-84 Cast Copper Alloy Solder Joint Pressure Fittings .....	56.60-1
ANSI B16.20-73 Ring-Joint Gaskets and Grooves for Steel Pipe Flanges VIII, Division 1, Pressure Vessels, 1986 with addenda .....	56.15-1; 56.15-5; 56.15-10; 56.25-5; 56.30-10; 56.30-30; 56.60-15; 56.60-1; 56.95-10
Section IX, Welding and Brazing Qualifications, 1986 with addenda .....	56.70-5; 56.70-20; 56.75-20; 56.0-1
ANSI B16.24-79 Bronze Pipe Flanges and Flanged Fittings, Class 150 and 300 .....	56.60-1
ANSI B16.25-86 Butt Welding Ends .....	56.60-1; 56.30-5; 56.70-10
ANSI B16.28-86 Wrought Steel Butt Welding Short Radius Elbows and Returns .....	56.60-1
ANSI B16.29-86 Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings—DWV .....	56.60-1
ANSI B16.34-88 Valves—Flanged, Threaded and Welding End .....	56.20-1; 56.60-1
ANSI B16.42-87 Ductile Iron Pipe Flanges and Flanged Fittings, Classes 150 and 300 .....	56.60-1
ANSI B18.2.1-81 Square and Hex Bolts and Screws, Inch Series .....	56.25-20; 56.60-1
ANSI B18.2.2-87 Square and Hex Nuts .....	56.25-20; 56.60-1
ANSI B31.1-86 Power Piping .....	56.01-5
ANSI B36.10M-85 Welded and Seamless Wrought Steel Pipe .....	56.07-5; 56.30-20; 56.60-1
ANSI B36.19M-85 Stainless Steel Pipe .....	56.07-5; 56.60-1
AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) INTERNATIONAL	
<i>Three Park Avenue, New York, NY 10016-5990</i>	
Boiler and Pressure Vessel Code:	
Section I, Power Boilers, 1986 with addenda .....	56.15-5; 56.15-10; 56.60-1; 56.60-1; 56.70-15; 56.95-10 56.15-1
Section VIII, Division 1, Pressure Vessels, 1986 with addenda ...	56.15-1; 56.15-5; 56.15-10; 56.25-5; 56.30-10; 56.30-30; 56.60-15; 56.60-1; 56.95-10
Section IX, Welding and Brazing Qualifications, 1986 with addenda .....	56.70-5; 56.70-20; 56.75-20; 56.85-10
AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)	
<i>100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.</i>	
ASTM A 36/A 36M-97a, Standard Specification for Carbon Structural Steel .....	56.30-10