

TABLE 56.04-2—PRESSURE PIPING CLASSIFICATION—Continued

Service	Class <sup>1</sup>	Pressure (p.s.i.g.)		Temp. (°F)
Liquefied flammable gases <sup>2</sup>	I-L	above 150	and	below 0.
	II	150 and below	and	0 to 650.
	II-L	150 and below	and	below 0.
	I	above 150	and	0 and above. <sup>1</sup>
Molten sulphur	I-L	above 150	and	below 0.
	II	150 and below	and	0 and above.
	II-L	150 and below	and	below 0.
	I	above 225	or	above 330.
Cargo liquids Grades A through D <sup>2</sup>	II	225 and below	and	330 and below.
	I	above 225	or	above 150.
	I-L	above 225	and	below 0.
	II	225 and below	and	0 to 150.
Cargo liquids Grade E	II-L	225 and below	and	below 0.
	I	above 225	or	above 400.
	I-L	above 225	and	below 0.
	II	225 and below	and	0 to 400.
Water	II-L	225 and below	and	below 0.
	I	above 225	or	above 350.
Fuels (Bunker, diesel, gasoline, etc.)	II	225 and below	and	350 and below.
	I	above 150	or	above 150.
Lubricating oil	II	150 and below	and	150 and below.
	I	above 225	or	above 400.
Asphalt	II	225 and below	and	400 and below.
	I	above 225	or	above 400.
Heat transfer oil	II	225 and below	and	400 and below.
	I	above 225	or	above 400.
Hydraulic fluid	II	225 and below	and	400 and below.
	I	above 225	or	above 400.
Flammable or combustible dangerous cargoes.				Refer to specific requirements of part 40 of this chapter.
Other dangerous cargoes.				Refer to specific requirements of part 98 of this chapter.

<sup>1</sup> Where doubt exists as to proper classification, refer to the Commandant for resolution.  
<sup>2</sup> For definitions, see 46 CFR parts 30, 151, and 154. Note that the category "B and C" poisons is not used in the rules applying to self-propelled vessels (46 CFR part 153).  
<sup>3</sup> Not permitted except inside cargo tanks approved for Class B and C poisons.

[CGFR 68-82, 33 FR 18843, Dec. 18, 1968, as amended by CGD 73-254, 40 FR 40164, Sept. 2, 1975; CGD 73-96, 42 FR 49024, Sept. 26, 1977]

§ 56.04-10 Other systems.

Piping systems and appurtenances not requiring plan approval may be accepted by the marine inspector if:

- (a) The system is suitable for the service intended,
- (b) There are guards, shields, insulation and similar devices where needed for protection of personnel,
- (c) Failure of the systems would not hazard the vessel, personnel or vital systems, and
- (d) The system is not manifestly unsafe.

[CGD 77-140, 54 FR 40602, Oct. 2, 1989]

Subpart 56.07—Design

§ 56.07-5 Definitions (modifies 100.2).

(a) *Piping*. The definitions contained in 100.2 of ASME B31.1 (incorporated by

reference; see 46 CFR 56.01-2) apply, as well as the following:

(1) The word *piping* within the meaning of the regulations in this subchapter refers to fabricated pipes or tubes with flanges and fittings attached, for use in the conveyance of vapors, gases or liquids, regardless of whether the diameter is measured on the inside or the outside.

(b) *Nominal diameter*. The term *nominal diameter* or *diameter* as used in this part, means the commercial diameter of the piping, i.e., pipe size.

(c) *Schedule*. The word *Schedule* when used in this part refers to specific values as given in ASME B36.10M and B36.19M (both incorporated by reference; see 46 CFR 56.01-2).

(d) *Fittings and appurtenances*. The word *fitting* and the phrase *fittings and appurtenances* within the meaning of the regulations in this subchapter refer