

§ 179.300-20

49 CFR Ch. I (10-1-10 Edition)

complied with; shall see that the finished tanks are properly stress relieved and tested.

(d) The inspector shall stamp his official mark on each accepted tank as required in § 179.300-18, and render the report required in § 179.300-20.

[29 FR 18995, Dec. 29, 1964, as amended at 72 FR 55696, Oct. 1, 2007]

§ 179.300-20 Reports.

(a) Before a tank is placed in service, the inspector shall furnish to the build-

er, tank owner, Bureau of Explosives and the Secretary, Mechanical Division, Association of American Railroads, a report in approved form certifying that the tank and its equipment comply with all the requirements of this specification.

(b) For builder's Certificate of Construction, see § 179.5 (b), (c), and (d).

[29 FR 18995, Dec. 29, 1964. Redesignated at 32 FR 5606, Apr. 5, 1967, and amended by Amdt. 179-10, 36 FR 21355, Nov. 5, 1971]

§ 179.301 Individual specification requirements for multi-unit tank car tanks.

(a) In addition to § 179.300 the individual specification requirements are as follows:

| DOT specification | 106A500-X | 106A800-X | 110A500-W | 110A600-W | 110A800-W | 110A1000-W |
|--|------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|
| Minimum required bursting pressure, psig | (¹) | (¹) | 1250 | 1500 | 2000 | 2500 |
| Minimum thickness shell, inches | ¹ / ₃₂ | ¹ / ₁₆ | ¹ / ₃₂ | ³ / ₈ | ¹ / ₂ | ¹ / ₂ |
| Test pressure, psig (see § 179.300-16) | 500 | 800 | 500 | 600 | 800 | 1000 |
| Safety relief devices, psig (see § 179.300-15) | | | | | | |
| Start-to-discharge, or burst maximum, p.s.i. | 375 | 600 | 375 | 450 | 600 | 700 |
| Vapor-tight, minimum psig | 300 | 480 | 300 | 360 | 480 | 650 |

¹ None specified.

(b) [Reserved]

[29 FR 18995, Dec. 29, 1964. Redesignated at 32 FR 5606, Apr. 5, 1967, and amended by Amdt. 179-10, 36 FR 21355, Nov. 6, 1971; Amdt. 179-40, 52 FR 13049, Apr. 20, 1987; 65 FR 58632, Sept. 29, 2000; 66 FR 45390, Aug. 28, 2001]

§ 179.302 [Reserved]

Subpart F—Specification for Cryogenic Liquid Tank Car Tanks and Seamless Steel Tanks (Classes DOT-113 and 107A)

SOURCE: Amdt. 179-32, 48 FR 27708, June 16, 1983, unless otherwise noted.

§ 179.400 General specification applicable to cryogenic liquid tank car tanks.

§ 179.400-1 General.

A tank built to this specification must comply with §§ 179.400 and 179.401.

§ 179.400-3 Type.

(a) A tank built to this specification must—

(1) Consist of an inner tank of circular cross section supported essentially concentric within an outer jacket of circular cross section, with the out of roundness of both the inner tank and outer jacket limited in accordance with Paragraph UG-80 in Section VIII of the ASME Code (IBR, see § 171.7 of this subchapter);

(2) Have the annular space evacuated after filling the annular space with an approved insulating material;

(3) Have the inner tank heads designed concave to pressure; and

(4) Have the outer jacket heads designed convex to pressure.