



CHAPTER 95
ARTICLE 7A - UNIFORM BOILER AND PRESSURE VESSEL ACT

N.C.G.S. § 95-69.10.

Application of Article; exemptions.

SOURCE General Statutes of North Carolina, as published by the General Assembly	LAST AMENDMENT IN THIS TEXT S.L. 2024-3, s. 2.2 — twelfth act in the lineage	RETRIEVED 21 September 2026, 05:29 UTC	SOURCE FINGERPRINT 281763aac1250e07de263951 - b74c9d501db9a390ca32fd47 - bbd4187c3798cb88
--	---	---	--

§ 95-69.10(a) This Article shall apply to all boilers and pressure vessels constructed, used, or designed for operation in this State including all new and existing installations unless specifically excluded by subsection (b) of this section.

- § 95-69.10(b) This Article shall not apply to:
- (1) Boilers and pressure vessels owned or operated by the federal government, unless the agency in question has asked for coverage by this Article.
 - (2) Pressure vessels used for transportation or temporary storage of compressed gases when constructed in compliance with the specifications of the United States Department of Transportation and when charged with gas marked, maintained, and periodically requalified for use, as required by appropriate regulations of the United States Department of Transportation. This exemption shall not apply to permanently installed vessels that are refilled on-site.
 - (3) Portable pressure vessels used for agricultural purposes only or for pumping or drilling in an open field for water, gas or coal, gold, talc, or other minerals and metals.
 - (4) Boilers and pressure vessels which are located in private residences or in apartment houses of less than six families.
 - (5) Repealed by Session Laws 2007-231, s. 1, effective July 18, 2007.

- (6) Air tanks located on vehicles licensed under the rules and regulations of other state authorities operating under rules and regulations substantially similar to those of this State and used for carrying passengers or freight within interstate commerce.
- (7) Air tanks installed on right-of-way of railroads and used directly in the operation of trains, if installed with proper pressure relief devices, including vessels associated with electrical apparatus in electrical switchyards.
- (8) Any of the following pressure vessels that do not exceed the listed limitations if the vessel is not equipped with a quick actuating closure:
 - a. Five cubic feet in volume and a maximum allowable working pressure not exceeding 15 psig.
 - b. Three cubic feet in volume and a maximum allowable working pressure not exceeding 350 psig.
 - c. One and one-half cubic feet in volume and a maximum allowable working pressure not exceeding 600 psig.
 - d. An inside diameter of six inches with no limitation on pressure.
 - e. Five cubic feet in volume when the pressure vessel is constructed and operated on the same real property zoned industrial and where its operation is undertaken using commercially acceptable safety precautions for the application.
- (9) Pressure vessels operating at a working pressure not exceeding 15 psig.
- (10) Unfired hot water storage vessels with a nominal capacity not exceeding 120 gallons and containing water at a maximum allowable working pressure not exceeding 160 psig or temperatures not exceeding 210° F.
- (11) Boilers and pressure vessels on railroad steam locomotives that are subject to federal railway safety regulations pursuant to 49 C.F.R. § 230.
- (12) Repealed by Session Laws 1985, c. 620, s. 2.
- (13) Coil-type hot water supply boilers, generally referred to as steam jennies, where the water can flash into steam when released directly to the atmosphere through a manually operated nozzle and where adequate safety relief valves and controls are installed on them, provided none of the following limitations are exceeded:
 - a. There is no drum, header, or other steam space.

b.No steam is generated within the coil.

c.Maximum 1 inch tube size.

d.Maximum 3/4 inch nominal pipe size.

e.Maximum 6 gallon nominal water storage capacity.

f.Water temperature of 350°F.

(14) Pressure vessels containing water under pressure, including those containing air, the compression of which serves as a cushion, at a temperature not exceeding 110 degrees Fahrenheit and a maximum allowable working pressure not exceeding 300 psig, except that this provision shall not exclude hydropneumatic pressure vessels providing potable water service from regulation.

(15) An air tank that does not exceed eight cubic feet in volume that is installed on a service vehicle.

(16) Autoclaves in medical offices and hospitals that are less than five cubic feet in volume, even if they are equipped with a quick actuating closure.

(17) Coil-type hot water supply boilers of the instantaneous type where adequate safety relief valves and controls are installed if none of the following limitations are exceeded:

a.There is no drum or header.

b.No steam is generated within the coil.

c.Maximum one-inch tube size.

d.Maximum three-quarter-inch nominal pipe size.

e.Maximum six-gallon nominal water storage capacity.

f.Water temperature not to exceed 250°F.

g.Maximum heat input does not exceed 400,000 Btu/hr or 110 kW.

h.Maximum allowable working pressure of 260 psig.

(18) Toy boilers, if all of the following apply:

a.The water containing volume of the boiler is less than one quart.

b.The operating pressure does not exceed 15 psig.

c.The maximum outside diameter of the shell is no greater than six inches.

d.The boiler is manually fired by solid fuels.

- (19) Pressure vessels providing potable water service having an internal bladder for containing an air cushion, provided the vessels are not connected to a continuous air source for the purpose of monitoring and maintaining air pressure or volume.
- (20) Carbon dioxide tanks used in beverage dispensing service.

§ 95-69.10(c)

The construction and inspection requirements established by the Department of Labor shall not apply to hot water supply boilers or water heaters which are directly fired with oil, gas, or electricity, or to indirect fired water heaters heated by steam or any other indirect means, if they are equipped with ASME Code and National Board certified safety relief valves and do not exceed any of the following limitations:

- (1) Heat input of 200,000 Btu/hr or 58.6 kW.
- (2) Repealed by Session Laws 2005-453, s. 2.
- (3) Nominal water capacity of 120 gallons.

§ 95-69.10(d)

The construction requirements established by the Department of Labor shall not apply to pressure vessels installed in this State prior to December 31, 1981, if they are equipped with ASME Code and National Board certified safety relief valves and:

- (1) Are of one-piece, unwelded, forged construction;
- (2) Are constructed before January 1, 1981, and operating or could be operated, under the laws of any state or Canadian Province that has adopted one or more sections of the ASME Code;
- (3) Are transferred into this State without a change of ownership; and
- (4) Are determined by the Chief Inspector to be constructed under standards substantially equivalent to those established by the department at the time of transfer.

§ 95-69.10(e)

The construction requirements established by the Department of Labor shall not apply to pressure vessels installed in this State prior to December 31, 1984, if they are equipped with ASME Code and National Board certified safety relief valves and:

- (1) Are manufactured from gray iron casting material, as specified by the American Society for Testing and Materials, (ASTM) 48-60T/30;
- (2) Are constructed before December 31, 1967, and operating or could be operated, under the laws of any state or Canadian Province that has adopted one or more sections of the ASME Boiler and Pressure Vessel Code;
- (3) Are transferred into this State without a change of ownership; and
- (4) Are determined by the Chief Inspector to be constructed under standards substantially equivalent to those established by the department at the time of transfer.

§ 95-69.10(f) The construction requirements established by the Department of Labor shall not apply to hydropneumatic tanks installed or operated by a community water system prior to January 1, 1986.

§ 95-69.10(g) The inspection requirements established by the Department of Labor shall not apply to pressure vessels used for transportation or storage of liquefied petroleum gas that are subject to inspection in accordance with the requirements established by the Department of Agriculture and Consumer Services.

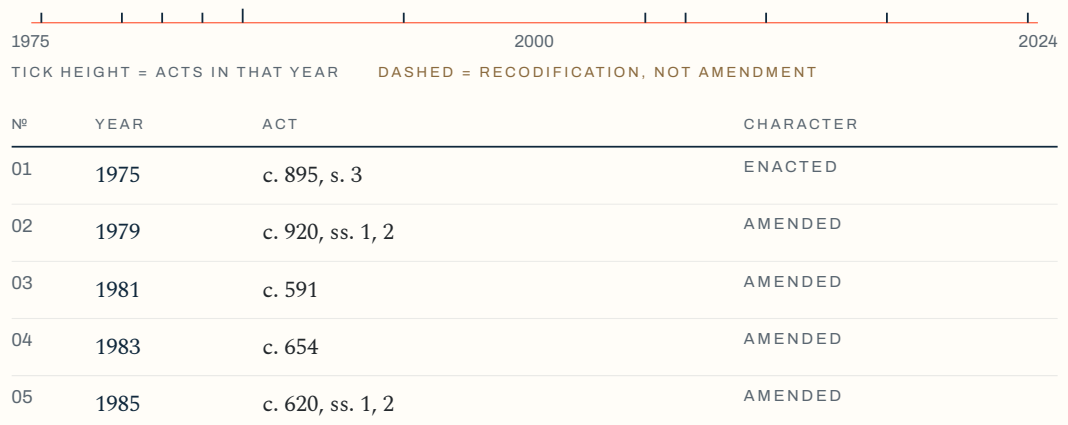
END OF SECTION TEXT

APPARATUS FOLLOWS — DERIVED, NOT ENACTED

APPARATUS I
12 ACTS

Amendment lineage

The State prints this history as a single parenthetical at the foot of the section. It is reproduced verbatim in the colophon and unpacked below in order of enactment.



06	1985	c. 629	AMENDED
07	1993	c. 351, s. 2	AMENDED
08	2005	S.L. 2005-453, s. 2	AMENDED
09	2007	S.L. 2007-231, s. 1	AMENDED
10	2011	S.L. 2011-366, ss. 1, 2, 3	AMENDED
11	2017	S.L. 2017-211, s. 18	AMENDED
12	2024	S.L. 2024-3, s. 2.2	AMENDED

APPARATUS III

Citation

FULL SECTION
N.C. Gen. Stat. § 95-69.10 (2024).

PINPOINT
N.C. Gen. Stat. § 95-69.10(a) (2024).

Pinpoint keys are set in the left margin of the text rather than line numbers: subsection designators are stable across editions and paper sizes, line numbers are not.

COLOPHON

Provenance

This document reproduces the text of one section of the General Statutes of North Carolina from a source file whose SHA-256 digest is printed on every page. The digest fixes the bytes this export was made from; if the State's file changes, the digest will not match.

The text of the section is unaltered. Subsection designators have been moved from the run of text into the margin. The amendment history and the table of authorities are derived from the section by mechanical extraction — they add no characterization of the law.

This is not the official text. The official text is published by the General Assembly of North Carolina.

HISTORY PARENTHETICAL, AS PRINTED BY THE STATE
(1975, c. 895, s. 3; 1979, c. 920, ss. 1, 2; 1981, c. 591; 1983, c. 654; 1985, c. 620, ss. 1, 2; c. 629; 1993, c. 351, s. 2; 2005-453, s. 2; 2007-231, s. 1; 2011-366, ss. 1, 2, 3; 2017-211, s. 18; 2024-3, s. 2.2.)

SET IN SPECTRAL AND ARCHIVO
NORTH CAROLINA LAW — STATUTE EXPORT, FORMAT V1

