



CGA S-1.2 — 2024

11TH EDITION

**PRESSURE RELIEF
DEVICE STANDARDS -
PART 2 -
PORTABLE
CONTAINERS FOR
COMPRESSED GASES**



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NOTE—Technical changes from the previous edition are underlined.

NOTE—Appendices A and B (Informative) are for information only.

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1 Introduction

This part of the Pressure Relief Device Standards presents the minimum requirements recommended by the Compressed Gas Association, Inc. (CGA) for pressure relief devices (PRDs) being used on portable containers for compressed gases that comply with the specifications and charging and maintenance regulations of the U.S. Department of Transportation (DOT) or the corresponding specifications and regulations of Transport Canada (TC) [1, 2].¹

2 Scope and purpose

2.1 Scope

It is recognized that there are portable containers that conform to the specification requirements of DOT and TC that are used in services beyond the jurisdiction of either authority. In such cases, it is recommended that international, state, provincial/territorial, local, or other authorities having jurisdiction over these containers use this publication to determine adequate PRD requirements provided that the portable containers are charged with gas and maintained in accordance with DOT or TC regulations.

It is further recognized that there may be portable containers used in services not within the jurisdiction of DOT or TC that do not conform to the specification requirements of either authority. It is recommended that the authorities having jurisdiction over such portable containers use this publication to determine PRD requirements provided that such portable containers are considered by the authority as having a construction at least equal to the equivalent DOT or TC specification requirements, and further provided that the portable containers are charged with gas and maintained in accordance with DOT or TC regulations.

PRD requirements for tank cars including multi-unit tank car tanks can be found in Title 49 of the U.S. *Code of Federal Regulations* (49 CFR) Part 179 [1].

PRD standards for DOT specifications 3AA, 3AAX, and 3T tubes can be found in CGA S-1.1, *Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases* [3]. PRD standards for stationary American Society of Mechanical Engineers (ASME) vessels can be found in CGA S-1.3, *Pressure Relief Device Standards—Part 3—Stationary Storage Containers for Compressed Gases* [4].

NOTE—In 49 CFR Part 171.7, the 1980 edition of this publication is incorporated by reference [1].

2.2 Purpose

The purpose of this publication is to complement the requirements of various regulations, codes, standards, or specifications applicable to portable containers. In case of conflict, the requirements of the regulations, codes, standards, or specifications of the authorities having jurisdiction over such portable containers shall apply. It is recommended that portable containers fabricated after December 31, 1995, use PRDs that meet the requirements of this edition.

3 Definitions

For the purpose of this publication, the following definitions apply.

3.1 Publication terminology

3.1.1 Shall

Indicates that the procedure is mandatory. It is used wherever the criterion for conformance to specific recommendations allows no deviation.

3.1.2 Should

Indicates that a procedure is recommended.

¹ References are shown by bracketed numbers and are listed in order of appearance in the reference section.