



Elevating and Amusement Devices Safety Division	Ref. No.: 509 / 98	Rev. No.:
Information / Interpretation Bulletin	Date: October 28 /98	Date:

Subject:

- **Pressure vessels, pipes and fittings in a pneumatic system on an amusement devices**
- **Application of Boiler and Pressure Vessels Act to Amusement Devices**

Sent to: **All Amusement Devices Licensees & Consultants**

Introduction

This bulletin provides information regarding the applicability of the Boilers and Pressure Vessels Act and Regulation of Ontario to amusement devices; specifically when determining the safety standards of vessels, piping systems and fittings subjected to compressed air forming part of a pneumatic system.

For the purpose of this information bulletin “the Act” will be referenced to mean “the Boilers and Pressure Vessels Act and Regulation of Ontario”.

1. Exemption from design registration & inspection requirements

The Act exempts the following items from the design registration and inspection requirements:

(a) vessels

- with pressure of 15 psi or less, or
- 6" or less internal diameter and attached by means other than welding to a 3/4" nominal diameters or less pipe size, or
- 1.5 cubic feet in volume and attached by means other than welding to a 3/4" nominal diameters or less pipe size.

(b) piping systems including fittings

- with pressure of 15 psi or less, or
- 3/4" nominal diameter or less pipe connected by means other than welding.

2. Exemption from periodic in service inspection requirements

Vessels with a capacity of 23 cubic feet or less and pressure of 250 psi or less are exempt from the periodic in service inspections.

3. Items not exempted

For those items not exempt from the Act, the following requirements apply:

- designs must be registered;

- vessel and fitting manufacturers must have quality program acceptable to TSSA;
- an authorized inspector must inspect the vessels during fabrication;
- an authorized inspector must inspect piping systems during fabrication and installation.
- vessels which are insured shall be periodically inspected at least once every thirty six months by the insurer;
- vessels which are not insured shall be periodically inspected once every thirty six months by TSSA.

4. Design registration

Guidelines for design registration are available from TSSA upon request and on the TSSA web site at www.tssa.org

5. Additional Information

Attached with this Bulletin is the “Air Receiver Safety Advisory” notice dated October 6, 1997 issued by the Boilers and Pressure Vessels Safety Division of TSSA providing operating informations to ensure continued safety of air receivers.

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Encl.