

Simple Pressure Vessels

*Simple Pressure Vessels (Safety) Regs
1991: 2479 ECA
as amended by 1994: 3098, 2003: 1400 and 2015: 1630
TSO's : consumer goods only*

Application

1). Applies to cylindrical welded vessels made of

- ♣ non-alloy quality steel,
- ♣ non-alloy aluminium, **or**
- ♣ non age-hardening aluminium alloy

which

- ♣ are manufactured in series, **and**
- ♣ contain air or nitrogen at between 0.5 bar and more than 30 bar (10,000 bar litres) with no flame,

and also applies to any such vessels marked fraudulently or otherwise with the CE mark.

2). Does not apply to

- ♣ fire extinguishers,
- ♣ secondhand vessels.

Vessels of 50 bar litres and under

1). Must be

- ♣ soundly constructed, **and**
- ♣ safe, ie. not likely to injure persons or pets, or damage property.

2). Must be marked visibly, legibly and indelibly with

- ♣ the maximum working pressure in bar,
- ♣ the maximum working temperature in degrees C,
- ♣ the minimum working temperature in degrees C,
- ♣ the capacity in litres,
- ♣ the name or mark of the manufacturer, **and**
- ♣ the type and serial number or batch identification

either on the vessel or on an irremovable data plate.

Vessels over 50 bar litres

1). Must

- ♣ have safety clearance (a CE certificate), **and**
- ♣ be safe, ie not likely to injure persons or pets, or damage property.

2). Must be

- ♣ marked as above, **and**
- ♣ marked with
 - ♥ the CE mark which must be at least 5mm high,
 - ♥ the last two digits of the year of marking,
 - ♥ the number of the body approved for EC verification and surveillance,
- ♣ supplied with the manufacturers' instructions, which must

- ♥ be in English, **or** the language of the destination EC country,
- ♥ contain the same details as lower pressure vessels,
- ♥ state the intended use of the vessel, **and**
- ♥ give the maintenance and installation safety requirements.

NB: Vessels (or assemblies containing them) supplied by

- ♣ manufacturers or importers, or used by manufacturers themselves, must comply with **all** of the above requirements,
- ♣ suppliers other than manufacturers or importers must be safe.

Controls on CE marking

- 1). Other marks must not obscure the CE mark.
- 2). Markings must not deceive about the meaning and form of the CE mark.
- 3). If the vessel is also the subject of other CE marking Directives, the CE mark must indicate that the vessel conforms to those Directives. Where transitional periods are allowed, the CE mark must indicate conformity only with those Directives applied by the manufacturer. Details of the Directives applied must be given in the accompanying documents, notices or instructions.

Compliance Notice

- 1). Before taking any enforcement action, eg
 - ♣ issuing suspension notices,
 - ♣ making test purchases,
 - ♣ seizing and detaining goods,
 - ♣ requiring the production of records,
 - ♣ entering premises by force,
 a compliance notice must be issued **unless**
 - ♣ the appliance or fitting jeopardises the health and safety of any person, **or**
 - ♣ the enforcement action is limited to exercising the powers of search, eg
 - ♥ seizing and detaining goods, **or**
 - ♥ requiring the production of records
 in order to establish whether or not the CE mark was properly affixed to the vessel, ie that it
 - ♥ conforms to
 - ◆ an EC type-examination certificate, **or**
 - ◆ an EC certificate of conformity, **and**
 - ♥ complies with the safety requirements.
- 2). There is no offence of obstruction **unless** a compliance notice has been served and not complied with.
- 3). The notice must
 - ♣ state that a CE marked vessel does not comply with the regulations,
 - ♣ specify the suspicions and give details,
 - ♣ require
 - ♥ the infringement to be rectified, **or**
 - ♥ proof that the CE mark was properly affixed, within a certain time limit,

- ♣ warn that further action may be taken if the infringement is not rectified, or proof not provided.
- 4). No enforcement action may be taken until the manufacturer or his authorised representative in the Community has failed to comply with the notice.