

Information regarding the requirements of the Pressure Equipment Directive 2014/68/EU.

Dovre Sertifisering AS GUIDELINE

GL-DSE-2020-001 Marking and Labelling

Information regarding Marking and Labelling

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Dovre Sertifisering requests that the manufacturers pay attention to the following information for the Marking and Labelling of their equipment.

This to prevent that the certification process is delayed or can't be finished due to incomplete or incorrect information on the equipment.

This information explains the requirements in the Pressure Equipment directive (2014/68/EU) regarding the marking and labelling of pressure equipment (Annex 1 Essential safety requirements §3.3).

§3.3 informs us that the requirements come as addition to the requirements referred to in Article 6(6), Article 8(3), Article 18 and 19.

What does this mean for you as manufacturer?

When building pressure equipment, the equipment needs to be marked and labelled according the requirements of Annex I, Article 3.3 and 3.4 of the Pressure equipment directive 2014/68/EU.

Are there requirements to the shape and size of the identification plate?

EN13445-5 gives some information on the requirements of the identification plate.

“1.2.3 Nameplate

Nameplates shall be made of material suitable for the intended service and with a thickness sufficient to withstand distortion due to the application of the marking and be compatible with the method of attachment.

The minimum thickness shall be not less than 1 mm.

Marking shall be done in characters not less than 5 mm high and shall be produced by casting, etching, embossing, debossing, stamping or engraving, including the identification of EN 13445.”

If the object size is too small or an identification plate can't be attached (ex. Piping) the object can be electrochemical etched, engraved or laser marked, to provide sufficient identification of the object.

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What information is required on the plate by the directive?

The following is required for all type of pressure equipment:

- The year of manufacture
- Identification of the pressure equipment according its nature Type of equipment.
- Serial and / or Tag number. Batch identification.
- CE marking which shall be followed by the identification number of the notified body.
- Essential maximum/minimum allowable limits.
- Minimum / Maximum Pressure (Bar). Minimum / Maximum temperature (°C).

Dovre Sertifisering AS prefers and recommends that the following information is also included on all types of equipment.

- Test pressure (Bar).
- The indication of the Volume or Size (piping).

Other information will depend on the type of pressure equipment:

- the volume V of the pressure equipment in (Litre or m³),
- the nominal size for piping in DN or in mm,
- the test pressure PT applied in bar and date,
- safety device set pressure in bar,
- output of the pressure equipment in kW,
- supply voltage in V (volts),
- intended use,
- filling ratio kg/L,
- maximum filling mass in kg,
- tare mass in kg,
- the fluid group.

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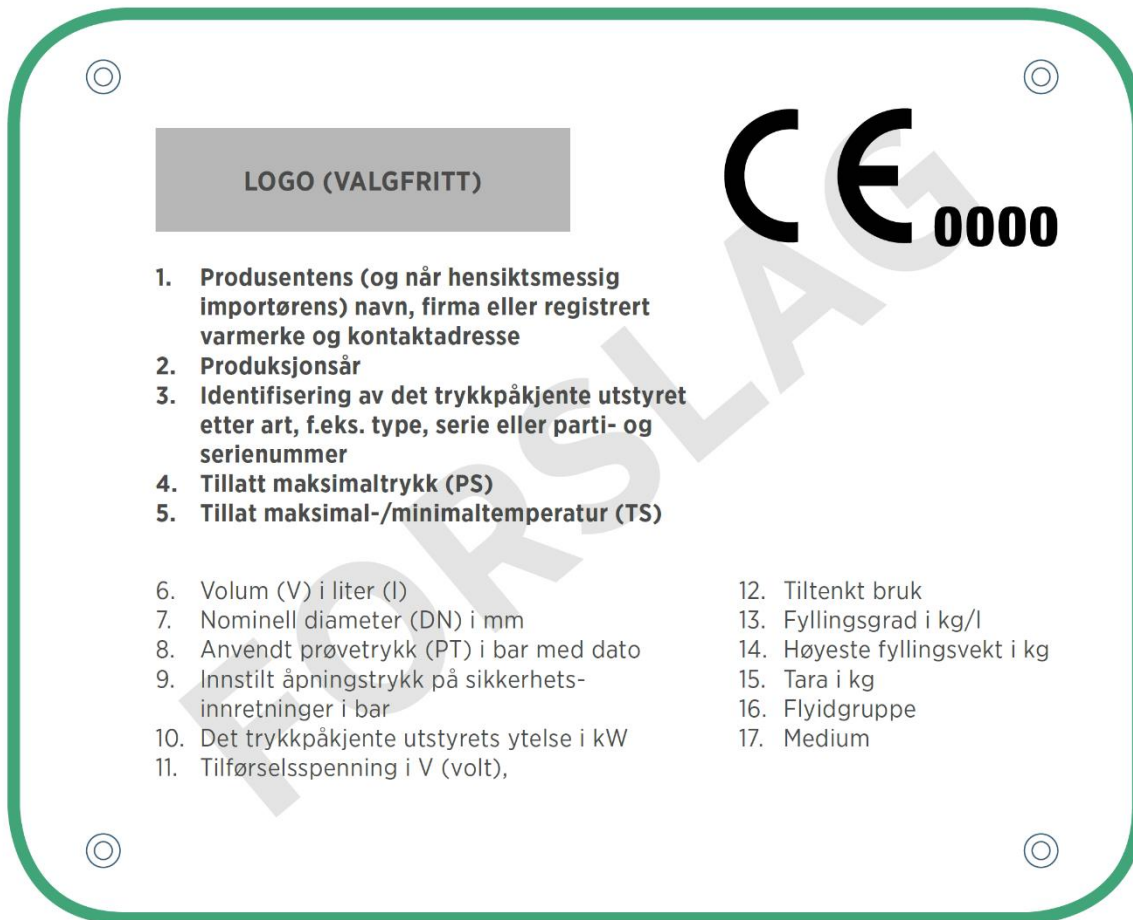


Figure 1 Example from «Veiledning til forskrift om trykkpåkjennt utstyr» (ref. The Norwegian Directorate for Civil Protection (DSB)).

Background (2014/68/EU)

where necessary, warnings fixed to the pressure equipment drawing attention to misuse which experience has shown might occur.

The information referred to in points (a), (b) and (c) shall be given on the pressure equipment or on a data plate firmly attached to it, with the following exceptions:

- where applicable, appropriate documentation may be used to avoid repetitive marking of individual parts such as piping components, intended for the same assembly,
- where the pressure equipment is too small, e.g. accessories, this information may be given on a label attached to that pressure equipment,

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- labelling or other adequate means may be used for the mass to be filled and the warnings referred to in point (c), provided it remains legible for the appropriate period of time.

3.4. Operating instructions

(a) When pressure equipment is made available on the market, it shall be accompanied, as far as relevant, with instructions for the user, containing all the necessary safety information relating to:

- mounting including assembling of different pieces of pressure equipment,
- putting into service,
- use,
- maintenance including checks by the user.

(b) Instructions shall cover information affixed to the pressure equipment in accordance with point 3.3, with the exception of serial identification, and shall be accompanied, where appropriate, by the technical documents, drawings and diagrams necessary for a full understanding of these instructions.

According Article 6(6):

Manufacturers shall indicate on the pressure equipment or assembly:

- Their name,
- Registered trade name or registered trade mark
- Postal address at which they can be contacted
- If this information can't be affixed to the equipment or assembly, it shall be indicated on the packaging or a document accompanying the equipment or assembly.
- The address shall indicate a single point of contact of the manufacturer.

The contact details shall be in a language easily understood by consumers, other users and market surveillance authorities.

According Article 8(3):

Importers shall indicate on the pressure equipment or assembly:

- Their name,
- Registered trade name or registered trade mark
- Postal address at which they can be contacted
- If this information can't be affixed to the equipment or assembly, it shall be indicated on the packaging or a document accompanying the equipment or assembly.

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The contact details shall be in a language easily understood by consumers, other users and market surveillance authorities.

Article 18:

The CE marking shall be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008.

Article 19:

1. The CE marking shall be affixed visibly, legibly and indelibly to any of the following:
 - (a) each item of pressure equipment referred to in Article [4\(1\)](#) or its data plate;
 - (b) each assembly referred to in Article [4\(2\)](#) or its data plate.

Where the affixing of the CE marking is not possible or not warranted on account of the nature of the equipment or assembly, it shall be affixed to the packaging and to the accompanying documents.

The item or assembly referred to in points [\(a\)](#) and [\(b\)](#) of the first subparagraph shall be complete or shall be in a state permitting final assessment as described in point [3.2](#) of [Annex I](#).

2. It is not necessary for the CE marking to be affixed to each individual item of pressure equipment making up an assembly. Individual items of pressure equipment already bearing the CE marking when incorporated into the assembly shall continue to bear that marking.
3. The CE marking shall be affixed before the item of pressure equipment or the assembly is placed on the market.
4. The CE marking shall be followed by the identification number of the notified body, where that body is involved in the production control phase.

The identification number of the notified body shall be affixed by the body itself or, under its instructions, by the manufacturer or his authorised representative.

5. The CE marking and, where applicable, the identification number referred to in paragraph [4](#) may be followed by any other mark indicating a special risk or use.

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6. Member States shall build upon existing mechanisms to ensure correct application of the regime governing the CE marking and shall take appropriate action in the event of improper use of that marking.
- (c) If appropriate, these instructions shall also refer to risks arising from misuse in accordance with point [1.3](#) and particular features of the design in accordance with point [2.2.3](#).

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