

Guideline**2/25****CLAP****FORM N°212****Version : 2****Directive 97/23/EC****Keywords :**

Classification

Category

Pressure equipment

Fluid

Group of fluids

Directive references:

Annex II - 97/23 EC

Adopted by WPG: 03/10/2002**Adopted by CLAP:** 03/10/2002**Subject:** Classification – Classification of pressure equipment**Question:** Is it possible to classify pressure equipment in a Category higher than the category resulting from the application of tables in Annex II?**Answer:** No

The classification of pressure equipment is based on the following factors:

- Type of equipment (vessel, piping, or pressure accessory),
- Type of fluid: gas or liquid,
- Group of fluid: group 1 or 2.

These factors determine the table of Annex II to be used. In the appropriate table, the maximum allowable pressure and the volume for vessels or the maximum allowable pressure and the nominal size DN for piping determines the Category of the equipment.

For example a valve classified as DN 25 can only be Sound Engineering Practice according to Article 3 paragraph 3 and must never be CE-marked (see also CLAP 8 - Guideline 2/17).

NOTE 1: The directive exceptionally requires use of a higher Category (for instance vessels for unstable gas, or portable extinguishers), but even then there is no choice of category for the manufacturer.

NOTE 2: The classification of safety accessories is not covered by the tables of Annex II (see section 2 of Annex II)

NOTE 3: The PED gives flexibility for a manufacturer to apply a conformity assessment procedure from a higher category, if available (see CLAP 139 - Guideline 2/11). For Sound Engineering Practice equipment, see CLAP 46 - Guideline 2/18.

Modifications compared to the previous adopted version: Editorial correction on 2004-09-16.