

**Guideline**

**5/1**

**CLAP**

**FORM N°53**

**Version : 4**

**Directive 97/23/EC**

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Experimental design method

Calculation

Volume

DN

Module

**Directive references:**

Annex I § 2.2.2 - 97/23 EC

Annex I § 2.2.4 - 97/23 EC

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**Subject:** ESR on design – Conditions of application of an experimental design method without calculation

**Question:** How should be interpreted the condition related to the experimental design method without calculation in Annex I § 2.2.2 stipulating that:  
"Experimental design may be carried out without any calculation in accordance with § 2.2.4 if the product of the maximum permissible pressure PS and the volume V is less than 6000 bar.litre or the product PS.DN is less than 3000 bar" ?

**Answer:** It shall be understood that:

-the condition  $PS.V < 6000 \text{ bar.L}$  is applicable to equipment for which the classification criterion in annex II is the volume (vessels, boilers and when applicable, accessories, etc.);

-the condition  $PS.DN < 3000 \text{ bar}$  is applicable to equipment for which the classification criterion in annex II is the nominal size (piping and when applicable, accessories, etc.).

Note: Module B1 is not applicable to equipment validated by experimental design.

Modifications compared to the previous adopted version: Copy of guideline 5/1 (28/01/1999) and editorial correction on 2004-09-16.