

**Directive 97/23/CE****Keywords:**

Pressure

Proof test

Final inspection

Quantitative requirement

**Directive reference:**

Annex I § 7.4 - 97/23 EC

**Adopted by CLAP:**

27/03/2007

**Subject:** ESR on manufacturing – Proof test pressure**Question:**

How understand in practice § 7.4 of annex I dealing with the hydrostatic test pressure which states:

"For pressure vessels, the hydrostatic test pressure referred to in 3.2.2 must be not less than:  
- that corresponding to the maximum loading to which the pressure equipment may be subject in service taking into account its maximum allowable pressure and its maximum allowable temperature, multiplied by the coefficient 1,25,  
or  
- the maximum allowable pressure multiplied by the coefficient 1,43, whichever is the greater"?

**Answer:**

This shall be a case-by-case assessment according to the type of vessels and its intended conditions of use.  
In any case, the value of the test pressure shall not become design-relevant for the equipment.  
The standard EN 13445 is being revised on this point.

See Note 2 of CLAP 94 - Orientation 8/7, CLAP 103 - Orientation 8/2 on the application to other equipment and CLAP 223 on creep.

Modifications compared to the previous adopted version: deletion of the numerical example and reorganization of the contents