

Guideline

H-02

CLAP

FORM N°X166

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Directive 2014/68/EU

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Directive References: Annex I § 3.2.2

Annex I § 7.4

Subject: Other ESR – Final assessment of pressure equipment

Question:

Final assessment (Annex I Section 3.2.2) of pressure equipment must include a test for pressure containment at a pressure at least equal, where appropriate, to the value laid down in section 7.4. This section only refers to pressure vessels. Does this mean that Annex I Section 7.4 does not apply to piping, and pressure and safety accessories?

Answer:

In accordance with Annex I Section 3.2.2 in the course of the final assessment pressure equipment must be subjected to a test for the pressure containment aspect. As a rule, this test for the pressure containment aspect is supposed to be carried out in the form of a hydrostatic pressure test. Where this is not possible or disadvantageous other procedures are permissible.

The pressure value chosen for carrying out a hydrostatic pressure test must be such as to assure testing the pressure containment aspect of the pressure equipment with due consideration of the determined safety factors without causing a damage to the pressure equipment. Annex I Section 7.4 provides additional formulas which may be applied only in due consideration of the above described general criteria (Annex I Section 3.2.2). The formulas in Annex I Section 7.4 should be considered for all items of pressure equipment, not only pressure vessels.