

Guideline

H-16

CLAP

FORM N°X176

Version : 2

Directive 2014/68/EU

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Directive References: Annex I § 3.2.

Annex I § 7.4

Subject: Other ESR – Pressure test

Question:

If the hydrostatic pressure test required by Annex I section 3.2.2 is replaced by a pneumatic pressure test because filling with water is harmful or impractical, what value has to be used for the pressure test?

Answer:

Where the hydrostatic pressure test is harmful or impractical, the manufacturer may carry out a pneumatic test with the implementation of additional measures such as non-destructive tests or other methods of equivalent validity.

The value of the pneumatic test pressure and the additional measures shall be those defined at least by the relevant harmonised standard. In case a harmonised standard is not applied, the manufacturer must justify that the value of the pneumatic test pressure and the additional measures are appropriate to achieve an equivalent overall level of safety.

The use of a "recognised" code is not, in itself, sufficient to demonstrate an equivalent overall level of safety (see also Guideline H-06 (CLAP X168)).

NOTE 1: Attention is drawn to the fact that pneumatic testing can be highly dangerous. Reference should be made to the appropriate national authorities for regulation or guidance on the procedures to be followed.

NOTE 2: See for example table 9.3.3.1 in EN 13480-5:2017 and chapter 10.2.3.4.2 in EN 13445-5:2014 regarding the additional NDT.