

Guideline

Ar.1-04

CLAP

FORM N°Z004

Version : 1

Directive 87/404/EEC

Directive references:

Article 1

Adopted by WPG: **November 1993**

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Subject: Multi chamber vessels

Question: Under what conditions do multi-chamber vessels fall within the scope (Article 1) of Directive 87/404/EEC?

Answer: Multi-chamber vessels fall within the scope of the Directive if

- 1) each separate chamber can be regarded as a simple pressure vessel (i.e. the dividing walls may only be flat),
- 2) the sum of the products of the pressure and capacity of all vessel chambers $PS.V$ is no greater than 10 000 bar.litre,
- 3) the conformity assessment procedure is based on the sum of the products of the pressure and capacity of all vessel chambers, and
- 4) the design of the vessel as a whole corresponds to the chamber with the highest class of requirements.

Reasons

- b1) It has been agreed during Council discussions (24.06.1987).
- b2) The risk potential does not exceed 10 000 bar.litre.
- b3) Account is to be taken of the risk potential of all chambers in the event of failure.
- b4) In order to avoid unnecessary interfaces, it is advisable for the vessel as a whole to comply with the highest class of requirements (for classification see EN 286-1).