

Guideline

1/53

CLAP

FORM N°282

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Directive 97/23/EC

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Pressure

Dryer roll

Significant factor

Directive references:

Article 1 § 3.10 - 97/23 EC

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Subject: Scope- Dryer rolls for paper industry

Question: Are dryer rolls for the paper industry covered by the PED?

Answer: Yes

Even if thermal, dynamic and other non-pressure loads are important for the design of dryer rolls, for most pressure is a significant design factor when dimensioning the equipment.

Note 1: However some dryer rolls with a specific design such as the incorporation of many small holes may be excluded from the PED on the basis of Article 1 paragraph 3.10 because pressure is not a significant design factor.

Note 2: Some dryer rolls are regularly ground to meet the process requirements. This loss of thickness can eventually oblige the user to reduce pressure loads according to a curve called "de-rating curve" provided by the manufacturer.

See also CLAP 42 - Guideline 1/11.

Modifications compared to the previous adopted version: copy of guideline 1/53 (06/03/2012).