

Guideline

1/38

CLAP

FORM N°193

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Directive 97/23/EC

Keywords :

Piping

Assembly

Fire

Directive references:

Article 1 § 2.1.2 - 97/23 EC

Article 1 § 3.2 - 97/23 EC

Annex II Table 7 - 97/23 EC

Annex II Table 9 - 97/23 EC

Adopted by WPG: 24/05/2002

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Subject: Scope – Piping in fire extinguishing systems

Question: Is piping in fire extinguishing systems in the scope of the Pressure Equipment Directive (PED)?

Answer: YES.

Reasons:

1) Even though extinguishing gas (such as CO₂ or inert gas) piping will be only momentarily pressurised during activation of the extinguishing system and such piping is open at the discharge end, it will be exposed to a pressure PS above 0,5 bar.

2) The piping of a sprinkler system is not considered to be covered by exclusion 3.2 of Article 1, as it is not a network for the supply, distribution and discharge of water.

Note 1: The location where the pressure PS is specified shall be such to be representative of the maximum pressure to which the piping will be exposed.

Note 2: Table 7 of Annex II is to be used for classification if content is CO₂, or inert gas. For sprinkler systems, table 7 is to be used for "dry piping installation", and table 9 for water.

Note 3: The PED is limited only to pressure-related hazards. Function and performance of fire extinguishing systems are not covered by the PED.

See also CLAP 73 - Guideline 1/9 and CLAP 107 - Guideline 9/8.

Modifications compared to the previous adopted version: Editorial correction on 2004-09-16.