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STATUTORY INSTRUMENTS

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**2016 No. 1105**

**The Pressure Equipment (Safety) Regulations 2016**

**PART 1**

Preliminary

**Pressure equipment and assemblies subject to essential safety requirements**

6. The following pressure equipment must satisfy the essential safety requirements set out in Schedule 2—

- (a) vessels, except those referred to in subparagraph (b), for—
  - (i) gases, liquefied gases, gases dissolved under pressure, vapours and also those liquids whose vapour pressure at the maximum allowable temperature is greater than 0.5 bar above normal atmospheric pressure (1013 mbar) within the following limits—
    - (aa) for fluids in Group 1 with a volume greater than 1 L and a product of PS and V greater than 25 bar·L, or with a pressure PS greater than 200 bar;
    - (bb) for fluids in Group 2, with a volume greater than 1 L and a product of PS and V greater than 50 bar·L or with a pressure PS greater than 1000 bar, and all portable extinguishers and bottles for breathing apparatus;
  - (ii) liquids having a vapour pressure at the maximum allowable temperature of not more than 0.5 bar above normal atmospheric pressure (1013 mbar) within the following limits—
    - (aa) for fluids in Group 1 with a volume greater than 1 L and a product of PS and V greater than 200 bar·L, or with a pressure PS greater than 500 bar;
    - (bb) for fluids in Group 2 with a pressure PS greater than 10 bar and a product of PS and V greater than 10 000 bar·L, or with a pressure PS greater than 1000 bar;
- (b) fired or otherwise heated pressure equipment with the risk of overheating intended for generation of steam or super-heated water at temperatures higher than 110°C having a volume greater than 2 L, and all pressure cookers;
- (c) piping intended for—
  - (i) gases, liquefied gases, gases dissolved under pressure, vapours and those liquids whose vapour pressure at the maximum allowable temperature is greater than 0.5 bar above normal atmospheric pressure (1013 mbar) within the following limits—
    - (aa) for fluids in Group 1 with a DN greater than 25;
    - (bb) for fluids in Group 2 with a DN greater than 32 and a product of PS and DN greater than 1000 bar;
  - (ii) liquids having a vapour pressure at the maximum allowable temperature of not more than 0.5 bar above normal atmospheric pressure (1013 mbar) within the following limits—

- (aa) for fluids in Group 1 with a DN greater than 25 and a product of PS and DN greater than 2000 bar;
- (bb) for fluids in Group 2 with a PS greater than 10 bar, a DN greater than 200 and a product of PS and DN greater than 5000 bar;
- (d) safety and pressure accessories intended for equipment covered by (a) to (c) above including where such equipment is incorporated into an assembly.

**Changes to legislation:**

There are currently no known outstanding effects for the The Pressure Equipment (Safety) Regulations 2016, Section 6.