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STATUTORY INSTRUMENTS

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**1999 No. 2001**

**HEALTH AND SAFETY**

**The Pressure Equipment Regulations 1999**

<i>Made</i>	- - - -	<i>15th July 1999</i>
<i>Laid before Parliament</i>		<i>19th July 1999</i>
<i>Coming into force</i>		
<i>regulations 1, 2, 20</i>		<i>31st August 1999</i>
<i>and 22</i>		
<i>remaining regulations</i>		<i>29th November 1999</i>

**THE PRESSURE EQUIPMENT REGULATIONS 1999**

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*Status: This is the original version (as it was originally made).*

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#### SCHEDULE 1 — EXCLUDED PRESSURE EQUIPMENT AND ASSEMBLIES

1. Pipelines comprising piping or a system of piping designed for...
2. Networks for the supply, distribution and discharge of water and...
3. Equipment covered by Directive 87/404/EEC on simple pressure vessels;
4. Equipment covered by Council Directive 75/324/EEC of 20 May 1975...
5. Equipment intended for the functioning of vehicles defined by the...
6. Equipment classified as no higher than category I under Article...
7. Equipment covered by Article 296(1)(b) of the Treaty;
8. Items specifically designed for nuclear use, failure of which may...
9. Well-control equipment used in the petroleum, gas or geothermal exploration...
10. Equipment comprising casings or machinery where the dimensioning, choice of...
11. Blast furnaces including the furnace cooling system, hot-blast recuperators, dust...
12. Enclosures for high-voltage electrical equipment such as switchgear, control gear,...
13. Pressurised pipes for the containment of transmission systems, including for...

14. Ships, rockets, aircraft and mobile off-shore units, as well as...
15. Pressure equipment consisting of a flexible casing, including for example...
16. Exhaust and inlet silencers;
17. Bottles or cans for carbonated drinks for final consumption;
18. Vessels designed for the transport and distribution of drinks having...
19. Equipment covered by the ADR, the RID, the IMDG and...
20. Radiators and pipes in warm water heating systems;
21. Vessels designed to contain liquids with a gas pressure above...

## SCHEDULE 2 — (Annex I to the Pressure Equipment Directive)

### — PRELIMINARY OBSERVATIONS

1. The obligations arising from the essential requirements listed in this...
2. The essential requirements laid down in the Directive are compulsory...
3. The manufacturer is under an obligation to analyse the hazards...
4. The essential requirements are to be interpreted and applied in...
1. GENERAL
  - 1.1 Pressure equipment must be designed, manufactured and checked, and if...
  - 1.2 In choosing the most appropriate solutions, the manufacturer must apply...
  - 1.3 Where the potential for misuse is known or can be...
    2. DESIGN
      - 2.1 General The pressure equipment must be properly designed taking all...
      - 2.2 Design for adequate strength (2.2.1) The pressure equipment must be...
      - 2.3 Provisions to ensure safe handling and operation The method of...
      - 2.4 Means of examination (a) Pressure equipment must be designed and...
      - 2.5 Means of draining and venting Adequate means must be provided...
      - 2.6 Corrosion or other chemical attack Where necessary, adequate allowance or...
      - 2.7 Wear Where severe conditions of erosion or abrasion may arise,...
      - 2.8 Assemblies Assemblies must be so designed that: the components to...
      - 2.9 Provisions for filling and discharge Where appropriate, the pressure equipment...
      - 2.10 Protection against exceeding the allowable limits of pressure equipment Where,...
      - 2.11 Safety accessories (2.11.1) Safety accessories must: be so designed and...
      - 2.12 External fire Where necessary, pressure equipment must be so designed...
    3. MANUFACTURING
      - 3.1 Manufacturing procedures The manufacturer must ensure the competent execution of...
      - 3.2 Final assessment Pressure equipment must be subjected to final assessment...
      - 3.3 Marking and labelling In addition to the CE marking referred...
      - 3.4 Operating instructions (a) When pressure equipment is placed on the...
    4. MATERIALS
      - 4.1 Materials for pressurised parts must: (a) have appropriate properties for...
      - 4.2 (a) The pressure equipment manufacturer must define in an appropriate...
      - 4.3 The equipment manufacturer must take appropriate measures to ensure that...

### — SPECIFIC PRESSURE EQUIPMENT REQUIREMENTS

5. FIRED OR OTHERWISE HEATED PRESSURE EQUIPMENT WITH A RISK OF OVERHEATING AS REFERRED TO IN ARTICLE 3(1)
6. PIPING AS REFERRED TO IN ARTICLE 3, SECTION 1.3
7. SPECIFIC QUANTITATIVE REQUIREMENTS FOR CERTAIN PRESSURE EQUIPMENT

*Status: This is the original version (as it was originally made).*

- 7.1 Allowable stresses (7.1.1) Symbols  $R_e/t$ , yield limit, indicates the value...
- 7.2 Joint coefficients For welded joints, the joint coefficient must not...
- 7.3 Pressure limiting devices, particularly for pressure vessels The momentary pressure...
- 7.4 Hydrostatic test pressure For pressure vessels, the hydrostatic test pressure...
- 7.5 Material characteristics Unless other values are required in accordance with...

SCHEDULE 3 — (Annex II to the Pressure Equipment Directive)

- 1. The references in the tables to categories of modules are...
- 2. The safety accessories defined in Article 1, Section 2.1.3, and...
- 3. The pressure accessories defined in Article 1, Section 2.1.4, and...
- 4. The demarcation lines in the following conformity assessment tables indicate...

SCHEDULE 4 — (Annex III to the Pressure Equipment Directive)

- 1. Module A (internal production control)
- 2. The manufacturer must draw up the technical documentation described in...
- 3. The technical documentation must enable an assessment to be made...
- 2. The manufacturer, or his authorised representative established within the Community,...
- 5. The manufacturer must take all measures necessary to ensure that...  
Module A1 (internal manufacturing checks with monitoring of the final assessment)
- 1. Module B (EC type-examination)
- 2. The application for EC type-examination must be lodged by the...
- 3. The technical documentation must enable an assessment to be made...
- 4. The notified body must: (4.1) examine the technical documentation, verify...
- 5. Where the type satisfies the provisions of the Directive which...
- 6. The applicant must inform the notified body that holds the...
- 7. Each notified body must communicate to the Member States the...
- 8. The other notified bodies may receive copies of the EC...
- 9. The manufacturer, or his authorised representative established within the Community,...
- 1. Module B1 (EC design-examination)
- 2. The manufacturer, or his authorised representative established within the Community,...
- 3. The technical documentation must enable an assessment to be made...
- 4. The notified body must: (4.1) examine the technical documentation and...
- 5. Where the design meets the provisions of the Directive which...
- 6. The applicant must inform the notified body that holds the...
- 7. Each notified body must communicate to the Member States the...
- 8. The other notified bodies may on request obtain the relevant...
- 9. The manufacturer, or his authorised representative established within the Community,...
- 1. Module C1 (conformity to type)
- 2. The manufacturer must take all measures necessary to ensure that...
- 3. The manufacturer, or his authorised representative established within the Community,...
- 4. Final assessment must be subject to monitoring in the form...
- 1. Module D (production quality assurance)

2. The manufacturer must operate an approved quality system for production,...
3. Quality system (3.1) The manufacturer must lodge an application for...
4. Surveillance under the responsibility of the notified body
5. The manufacturer must, for a period of ten years after...
6. Each notified body must communicate to the Member States the...
  1. Module D1 (production quality assurance)
2. The manufacturer must draw up the technical documentation described below....
3. The manufacturer must operate an approved quality system for production,...
4. Quality system (4.1) The manufacturer must lodge an application for...
5. Surveillance under the responsibility of the notified body
6. The manufacturer must, for a period of ten years after...
7. Each notified body must communicate to the Member States the...
  1. Module E (product quality assurance)
2. The manufacturer must operate an approved quality system for the...
  3. Quality system (3.1) The manufacturer must lodge an application for...
  4. Surveillance under the responsibility of the notified body
  5. The manufacturer must, for a period of ten years after...
  6. Each notified body must communicate to the Member States the...
    1. Module E1 (product quality assurance)
2. The manufacturer must draw up the technical documentation described below....
3. The manufacturer must operate an approved quality system for the...
  4. Quality system (4.1) The manufacturer must lodge an application for...
  5. Surveillance under the responsibility of the notified body
  6. The manufacturer must, for a period of ten years after...
  7. Each notified body must communicate to the Member States the...
    1. Module F (product verification)
2. The manufacturer must take all measures necessary to ensure that...
3. The notified body must perform the appropriate examinations and tests...
4. Verification by examination and testing of each item of pressure...
  1. Module G (EC unit verification)
2. The manufacturer must apply to a notified body of his...
3. The technical documentation must enable the conformity of the pressure...
4. The notified body must examine the design and construction of...
  1. Module H (full quality assurance)
2. The manufacturer must implement an approved quality system for design,...
3. Quality system (3.1) The manufacturer must lodge an application for...
4. Surveillance under the responsibility of the notified body
5. The manufacturer must, for a period of ten years after...
6. Each notified body must communicate to the Member States the...
  1. Module H1 (full quality assurance with design examination and special surveillance of the final assessment)
2. Final assessment as referred to in section 3.2 of Annex...

SCHEDULE 5 — (Annex VI to the Pressure Equipment Directive)

1. The CE marking shall consist of the initials “CE” taking...
2. If the CE marking is reduced or enlarged the proportions...
3. The various components of the CE marking must have substantially...

SCHEDULE 6 — (Annex VII to the Pressure Equipment Directive)

*Status: This is the original version (as it was originally made).*

#### SCHEDULE 7 — EUROPEAN APPROVAL FOR MATERIALS

1. The notified body shall determine and perform, or arrange for...
2. The notified body shall not issue a European approval for...
3. A copy of the European approval for pressure equipment materials...
4. The materials used for the manufacture of pressure equipment conforming...
5. The notified body which issued the European approval for pressure...

#### SCHEDULE 8 — ENFORCEMENT

1. Enforcement in Great Britain
2. In Great Britain, in relation to pressure equipment or assemblies...
3. Enforcement in Northern Ireland in relation to pressure equipment or assemblies
4. Forfeiture of pressure equipment or assemblies for private use or consumption: England and Wales and Northern Ireland
5. Forfeiture of pressure equipment or assemblies for private use or consumption: Scotland
6. Duty of enforcement authority to inform Secretary of State of action taken
7. Savings
8. Interpretation

Explanatory Note