

Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment (repealed)

Article 1	Scope and definitions
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Article 21	Addressees of the Directive

ANNEX I

ESSENTIAL SAFETY REQUIREMENTS

PRELIMINARY OBSERVATIONS

1.
2.
3.
4.
1. GENERAL
 - 1.1.
 - 1.2.
 - 1.3.
2. DESIGN
 - 2.1. General
 - 2.2. Design for adequate strength
 - 2.2.1.
 - 2.2.2.
 - 2.2.3. Calculation method
 - (a) Pressure containment and other loading aspects
 - (b) Resistance

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- (c) Stability aspects
 - 2.2.4. Experimental design method
- 2.3. Provisions to ensure safe handling and operation
- 2.4. Means of examination
- 2.5. Means of draining and venting
- 2.6. Corrosion or other chemical attack
- 2.7. Wear
- 2.8. Assemblies
- 2.9. Provisions for filling and discharge
- 2.10. Protection against exceeding the allowable limits of pressure equipment
- 2.11. Safety accessories
 - 2.11.1. Safety accessories must:
 - 2.11.2. Pressure limiting devices
 - 2.11.3. Temperature monitoring devices
- 2.12. External fire
- 3. MANUFACTURING
 - 3.1. Manufacturing procedures
 - 3.1.1. Preparation of the component parts
 - 3.1.2. Permanent joining
 - 3.1.3. Non-destructive tests
 - 3.1.4. Heat treatment
 - 3.1.5. Traceability
 - 3.2. Final assessment
 - 3.2.1. Final inspection
 - 3.2.2. Proof test
 - 3.2.3. Inspection of safety devices
 - 3.3. Marking and labelling
 - 3.4. Operating instructions
- 4. MATERIALS
 - 4.1.
 - 4.2.
 - 4.3.

SPECIFIC PRESSURE EQUIPMENT REQUIREMENTS

- 5. FIRED OR OTHERWISE HEATED PRESSURE EQUIPMENT WITH A RISK OF...
- 6. PIPING AS REFERRED TO IN ARTICLE 3, SECTION 1.3
- 7. SPECIFIC QUANTITATIVE REQUIREMENTS FOR CERTAIN PRESSURE EQUIPMENT
 - 7.1. Allowable stresses
 - 7.1.1. Symbols
 - 7.1.2.
 - 7.2. Joint coefficients
 - 7.3. Pressure limiting devices, particularly for pressure vessels
 - 7.4. Hydrostatic test pressure
 - 7.5. Material characteristics

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ANNEX II
CONFORMITY ASSESSMENT TABLES

1.
2.
3.
4.

ANNEX III
CONFORMITY ASSESSMENT PROCEDURES

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Module A (internal production control)

1.
2.
3.
4.
5.

Module A1 (internal manufacturing checks with monitoring of the final...)

Module B (EC type-examination)

1.
2.
3.
4.
 - 4.1.
 - 4.2.
 - 4.3.
 - 4.4.
5.
6.
7.
8.
9.

Module B1 (EC design-examination)

1.
2.
3.
4.
 - 4.1.
 - 4.2.
 - 4.3.
5.
6.
7.

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- 8.
- 9.

Module C1 (conformity to type)

- 1.
- 2.
- 3.
- 4.

Module D (production quality assurance)

- 1.
- 2.
- 3. Quality system
 - 3.1.
 - 3.2.
 - 3.3.
 - 3.4.
- 4. Surveillance under the responsibility of the notified body
 - 4.1.
 - 4.2.
 - 4.3.
 - 4.4.
- 5.
- 6.

Module D1 (production quality assurance)

- 1.
- 2. The manufacturer must draw up the technical documentation described below....
- 3.
- 4. Quality system
 - 4.1.
 - 4.2.
 - 4.3.
 - 4.4.
- 5. Surveillance under the responsibility of the notified body
 - 5.1.
 - 5.2.
 - 5.3.
 - 5.4.
- 6.
- 7.

Module E (product quality assurance)

- 1.
- 2.
- 3. Quality system
 - 3.1.
 - 3.2.
 - 3.3.
 - 3.4.
- 4. Surveillance under the responsibility of the notified body
 - 4.1.

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- 4.2.
- 4.3.
- 4.4.
- 5.
- 6.

Module E1 (product quality assurance)

- 1.
- 2. The manufacturer must draw up the technical documentation described below....
- 3.
- 4. Quality system
 - 4.1.
 - 4.2.
 - 4.3.
 - 4.4.
- 5. Surveillance under the responsibility of the notified body
 - 5.1.
 - 5.2.
 - 5.3.
 - 5.4.
- 6.
- 7.

Module F (product verification)

- 1.
- 2.
- 3.
- 4. Verification by examination and testing of each item of pressure...
 - 4.1.
 - 4.2.
 - 4.3.

Module G (EC unit verification)

- 1.
- 2.
- 3.
- 4.
 - 4.1.
 - 4.2.

Module H (full quality assurance)

- 1.
- 2.
- 3. Quality system
 - 3.1.
 - 3.2.
 - 3.3.
 - 3.4.
- 4. Surveillance under the responsibility of the notified body
 - 4.1.
 - 4.2.
 - 4.3.

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- 4.4.
- 5.
- 6.
- Module H1 (full quality assurance with design examination and special...
- 1.
- 2.

ANNEX IV

MINIMUM CRITERIA TO BE MET WHEN DESIGNATING THE NOTIFIED BODIES REFERRED TO IN ARTICLE 12 AND THE RECOGNIZED THIRD-PARTY ORGANIZATIONS REFERRED TO IN ARTICLE 13

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

ANNEX V

CRITERIA TO BE MET WHEN AUTHORIZING USER INSPECTORATES REFERRED TO IN ARTICLE 14

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

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ANNEX VI
CE MARKING

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ANNEX VII
DECLARATION OF CONFORMITY

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