

Please complete this form accurately and submit it to:

Design Engineer, TÜV UK LTD, AMP House, Suites 27 - 29, Fifth Floor, Dingwall Road, Croydon CR0 2LX
United Kingdom (Tel: +44 (0)208 6807711; Fax: +44 (0)208 6804035; E-mail: enquiries.uk@TÜV-nord.com)

Applicants Reference		TÜV UK Ref	
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1. Module(s) related to this application

Please circle the selected module(s) and services or delete those that do not apply.

Vessel Category	A1 PS.V >3000<= 10000 barL	A2 PS.V >200<= 3000 barL	A3 PS.V >50<= 200 barL
Conformity Assessment Module Chosen¹⁾	Module C1	Module C2	Module C

1) A higher conformity assessment module can be chosen than stipulated for the vessel category according to the regulation..

2. All vessel categories above require a Module B Type Examination

If no existing Module B please circle the selected module(s) and services or delete those that do not apply²⁾.

Module B (Production)	Module B (Design)
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2) If a designated standard is not used then only Module B (Production) is permitted

Responsible organisation(s)

Applicant's name and address	Authorised representative's name and address (if applicable)

Attachments to this page

Schedule of documents. Please note that this is not an exhaustive list.

Attachment 1 - Technical File Requirements (All Modules)

Attachment 2 - Inspection Service Requirements (Modules C1, C2 & C)

Declarations

- 1) The company applies to TÜV UK Ltd. for assessment or conformity assessment services for the purpose of UKCA marking equipment manufactured in accordance with the Simple Pressure Vessels (Safety) Regulations 2016.
- 2) No other application has been previously submitted (and or refused) to any other Approved Body for the same equipment.
- 3) The company agrees to comply with TÜV UK Ltd. requirements and the applicable statutory requirements.
- 4) The company agrees to allow TÜV UK Ltd., access to all the technical records for equipment produced under the scope of any subsequent approval.
- 5) The company agrees to allow TÜV UK Ltd. unrestricted access to all areas of manufacture, including sub-contractors.
- 6) The applicant agrees to restrictions as described in the 'Application and the Limitations of the use of UKCA marking'. Commercial arrangements including Terms and Conditions are subject of separate contractual agreement.
- 7) I declare that I am empowered to act on behalf of the applicant organisation and that the information given in this form is correct to the best of my knowledge.

Signature of applicant		Date	
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Documents related to the application for Type Examination according to Module B (production), Module B (design).

List of attachments comprising technical documentation	Applicant's Reference & Revision status	Check by TÜV UK
Description of vessel and gas to be contained including the design conditions and an adequate analysis and assessment of any risks.		
Conceptual design and manufacturing drawings and schemes of components.		
Descriptions and explanations necessary for understanding of the drawings and schemes and of the operation of the vessel.		
A list of designated standards applied in full or in part.		
Where designated standards have not been applied, descriptions of the solutions adopted to meet the essential safety requirements listed in Schedule 1 of the PESR regulations.		
Results of relevant design calculations made and examinations carried out, or if by experimental method the details of the tests.		
Reports of tests.		
Instructions and safety information.		
A document describing: - the materials selected - the welding processes selected - the checks selected for during manufacture - any pertinent details relating to the vessel design		
WHERE B (PRODUCTION TYPE) APPROVAL IS REQUIRED the prototype vessel(s) representative of the production envisaged. The notified body may request further prototype vessels if needed for carrying out the test programme.		
<p>the supporting evidence for the adequacy of the technical design solution.</p> <p>This supporting evidence shall mention any documents that have been used, in particular where the relevant harmonised standards have not been applied in full. The supporting evidence shall include, where necessary, the results of tests carried out in accordance with other relevant technical specifications by the appropriate laboratory of the manufacturer, or by another testing laboratory on his behalf and under his responsibility.</p> <p>When a prototype vessel is examined, which may represent a specific family, the technical documentation shall also include:</p> <ul style="list-style-type: none"> — the certificates relating to the suitable qualification of the welding operations and of the welders or welding operators, — the inspection slip for the materials used in the manufacture of parts and components contributing to the strength of the vessel, — a report on the examinations and tests performed or a description of the proposed checks. 		

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ATTACHMENT 2 – INSPECTION SERVICES

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Requirements related to application for Inspection Services according to Modules C1, C2 & C.

MODULE C1

Internal Production Control plus Supervised Vessel Testing

To issue a Module C1 certificate, TÜV UK LTD will carry out an inspection on each simple pressure vessel in the batch as follows:-

- 1) A check that the vessels have been manufactured in accordance with the technical file documentation and UK Module B (Production) or (Design) type approval certificate.
- 2) A visual examination of each vessel for conformity with the drawings and Module B certificate. This examination to include but not exclusively:-
 - 2.1) An internal and external examination of each vessel prior to pressure testing.
 - 2.2) Inspection of material and material test certificates.
 - 2.3) Verify that the welding procedures are suitable, qualified and approved by a UK Approved Body or UK RTPO.
 - 2.4) Verify that the personnel undertaking the welding of parts are qualified and approved by a UK Approved body or UK RTPO.
 - 2.5) When applicable, assessment of any NDT and NDT operators to verify that the personnel undertaking the non-destructive tests are suitably qualified and approved.
- 3) Witness a pressure test equal to 1.5 times the design pressure.
- 4) In order to examine the weld quality, production tests shall be carried out on test-pieces taken from, at the choice of the manufacturer, either from a test piece attached to 1) a longitudinal weld or 2) from a whole vessel. If by 1) and the circumferential welding procedure is different, then also from the circumferential weld.
- 5) For the vessels designed to the experimental method production tests can be waived and replaced by a hydrostatic test on five vessels taken at random from each batch in order to check that they conform to the essential safety requirements.
- 6) Documentation review.
- 7) In the case of accepted batches, affix our identification number, or permit the identification number to be affixed by the manufacturer to each vessel and draw up a written certificate of conformity relating to the tests carried out including an inspection report.
- 8) If a batch is rejected, we will act appropriately to prevent the placing on the market of that batch of vessels. Frequent rejection of batches, we may suspend the statistical verification.
- 9) A “batch” of vessels must consist of no more than 3,000 vessels of the model of the same type.

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Requirements related to application for Inspection Services according to Modules C1, C2 & C.

MODULE C2 - Internal Production Control plus Supervised Vessel Checks

To issue an inspection report, TÜV UK LTD will carry out an inspection check on a random sample of simple pressure vessels in the batch as follows:-

- 1) Prior to manufacture we will review the documentation in particular:-
 - 1.1) the technical documentation referred to above in attachment 1 together with
 - 1.2) the certificates relating to the suitable qualification of the welding operations and of the welders or welding operators
 - 1.3) the inspection slip for the materials used in the manufacture of parts and components contributing to the strength of the vessel
 - 1.4) a report on the examination and tests performed
 - 1.5) the Module B examination certificate;
 - 1.6) a document describing the manufacturing processes and all of the predetermined systematic measures taken to ensure conformity of the vessels with the type described in the UK Module B certificate, which document must include
 - 1.7) a description of the means of manufacture and checking appropriate to the construction of the vessels;
 - 1.8) an inspection document describing the appropriate examinations and tests to be carried out during manufacture, together with the procedures in respect thereof and the frequency with which they are to be performed;
 - 1.9) check that there is an undertaking to carry out the examinations and tests in accordance with the inspection document and to ensure that a pressure test is carried out on each vessel manufactured at a test pressure equal to 1.5 times the design pressure
 - 1.10) the addresses of the places of manufacture and storage and the date on which manufacture is to commence.
- 2) Carry out vessel checks on random samples at random intervals to verify the quality of the internal checks on the vessels, normally frequency of inspection visits will be as per EN 286 Annex B para. B.3.3.
- 3) The random vessel checks will include:-
 - 3.1) A visual examination for conformity with the drawings and UK Module B certificate. This examination to include but not exclusively:-
 - 3.2) An internal and external examination of each vessel prior to pressure testing.
 - 3.3) Inspection of material and material test certificates.
 - 3.4) Verify that the welding procedures are suitable, qualified and approved by a UK Approved Body or UK RTPO.
 - 3.5) Verify that the personnel undertaking the welding of parts are qualified and approved by a UK Approved Body or UK RTPO.
 - 3.6) When applicable, assessment of any NDT and NDT operators to verify that the personnel undertaking the non-destructive tests are suitably qualified and approved.
 - 3.7) Witness a pressure test equal to 1.5 times the design pressure.
- 4) Review the qualifications of the staff independent from production personnel who are responsible for carrying out the examinations and tests.
- 5) In the case of accepted samples, we will permit our identification number to be affixed by the manufacturer to each vessel. We will issue a Letter of Authorisation and an inspection report describing the findings of the vessel checks.

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Requirements related to application for Inspection Services according to Modules C1, C2 & C.

MODULE C2 - Internal Production Control plus Supervised Vessel Checks (continued)

- 6) Where the random checks do not conform to the acceptable quality level, we will take appropriate measures, which may include preventing the placing on the market of that batch of vessels and investigations into previous manufactured vessels.

MODULE C - Internal Production Control plus Supervised Vessel Checks

To issue an document review report, TÜV UK LTD will carry out a review of the intended batch of simple pressure vessels to be manufactured:-

- 1) The UK Module B certificate shall have been issued by TÜV UK LTD.
- 2) Prior to commencement of manufacture, we will review the documentation supplied by the manufacturer for the batch to be manufactured to certify their conformity with the UK Module B certificate as follows:-
 - 2.1) the EU-type examination certificate with all necessary information, and in particular
 - 2.2) the certificates relating to the suitable qualification of the welding operations and of the welders or welding operators by a UK Approved Body or UK RTPO
 - 2.3) the inspection slip for the materials used in the manufacture of parts and components contributing to the strength of the vessel
 - 2.4) a report on the examinations and tests performed
 - 2.5) a document describing the manufacturing processes and all of the predetermined systematic measures taken to ensure conformity of the vessels with the type described in the EU-type examination certificate. That document must include:-
 - a description of the means of manufacture and checking appropriate to the construction of the vessels;
 - an inspection document describing the appropriate examinations and tests to be carried out during manufacture, together with the procedures in respect thereof and the frequency with which they are to be performed;
 - check that there is an undertaking to carry out the examinations and tests in accordance with the inspection document and to have a pressure test carried out on each vessel manufactured at a test pressure equal to 1,5 times the design pressure;
 - the addresses of the places of manufacture and storage and the date on which manufacture is to commence.
- 3) Review the qualifications of the staff independent from production personnel who are responsible for carrying out the examinations and tests
- 4) Upon a successful review, we will issue an document review report relating to the findings of the proposed batch manufacture.
- 5) Vessels manufactured under Module C shall not bear our identification number against the UKCA mark.

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