

Kiwa Watertec - EG003

Issue No 4 – 08.11.2022

Evaluation Guideline

For the Kiwa Watertec certification (KUKG3)

For unvented hot water storage cylinders complying with:

- BS EN 12897: 2016 (Indirect Heated)
- BS EN 60335-2-21:2003 (Directly Heated)
- Kiwa UK Testing for Unvented Storage Cylinders

To verify compliance with the UK Building Regulations Part G3



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Progress**



Preface

This evaluation guideline has been accepted by the Kiwa Watertec Expert Group, in which parties concerned in the Drinking Water sector in the UK are being represented. This Kiwa Watertec Expert Group also supervises the certification activities and where necessary requires this guideline to be revised.

This evaluation guideline will be used by Kiwa Watertec in conjunction with the Kiwa-Regulations for Product Certification. This regulation details the method employed by Kiwa for conducting the necessary investigations prior to issuing the product certificate and the method of external control.

The Kiwa-Regulations for Product Certification also refer to the “Kiwa Regulations for the Board of Appeal”. In reference to what has been mentioned in clause 2.1 of these regulations, the chairman and deputy chairman do not need to have a university degree in law.

This evaluation guideline is to be assessed by the Kiwa Watertec Expert Group at least every 5 years, but at the latest before November 2027.

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Validation

This evaluation guideline has been validated by Kiwa Watertec on 8th November 2022

Evaluation Guideline

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1 Introduction

1.1 General

This evaluation guideline includes all relevant requirements which are adhered to by Kiwa Watertec as the basis for the issue and maintenance of an EN-ISO –IEC 17065 product certification that verifies compliance with the following standards.

Indirect Unvented hot water storage cylinders to BS EN 12897: 2016 – Water Supply -Specification for indirect heated unvented (closed) storage water heaters

Direct Unvented hot water storage cylinders to BS EN 60335-2-21: 2003 Housed and similar electrical appliances. Safety, Particular Requirement's for Storage Heaters for Direct Electrical Water Heaters.

Kiwa UK Ltd Testing Document for Unvented Hot Water Storage Cylinders to the requirements of the UK Building Regulations.

UK Water Supply (Water Fittings) Regulations/Byelaws – Regulation 4(1)(a) in that the standards detailed above are considered to be appropriate.

Compliance with these performance standards ensures that the unvented water heater is compliant with the UK Building Regulations as detailed in the following:

The Building Regulations 2010 (England & Wales). Requirements G3, L1 & Regulation 7.

The Building (Scotland) Regulations 2004. Section 6 clause 4.9, 6.3 & 6.4.

The Building Regulations (Northern Ireland) 2012. Part B clause 23 & Part P clause 88.

The Kiwa Watertec G3 unvented scheme operates a Type test and certification method of verification that requires the following:

- initial type testing
- initial verification of factory production control (ISO 9001 and verification of fpc)
- initial review of the non-metallic materials in contact with water and compliance with BS 6920.

The certification period is 5 years and will require re-type testing and on-gong verification of the manufacturers fpc etc as detailed above. Secondary certification holders will be required to have ISO 9001 or their fpc must be verified as being acceptable with their certification period being the same as the primary product.

1.2 Field of application / scope

Unvented heating apparatus are intended for installations in water installations with a static water pressure of a maximum of 10 bar and having a volume of stored water up to 2000 litres. The unvented package will be fitted with control and safety devices designed to prevent the water temperature of the stored drinking water from reaching 95°C. Unvented hot water storage cylinders of both the Indirect and Direct type are covered. For unvented systems working outside of the pressure and volume range then certification can still be undertaken but will be certified with a caveat to that effect.

1.3 Acceptance of test reports provided by the supplier

When test reports from an EN-ISO/IEC 17025 accredited laboratory or an approval certificate from an EN-ISO/IEC 17065 accredited certifier are supplied to demonstrate that the product meets the requirements of this evaluation guideline.

The laboratory shall be accredited to EN-ISO/IEC 17025 and include within their scope of accreditation the standards or specifications referred in this evaluation guideline.

These requirements are considered to have been fulfilled when a test report or certificate of accreditation can be shown, either issued by UKAS or one of the institutions with which UKAS has an agreement of mutual acceptance (ILAC).

When no accreditation can be shown for testing, Kiwa Watertec will verify whether the test report(s) and the testing is undertaken is acceptable and traceable.

Validity of tests reports/certification to be 5 years or as determined by the Kiwa Watertec Expert Group.

Kiwa Watertec will reserve the right to inspect the laboratory/certifier and require inter-laboratory trials and details of the laboratory procedures (in English) for testing and to carry out site-inspections, as necessary.

1.4 KUKG3 certificate.

The certificate to be issued by Kiwa Watertec is described as the Kiwa Watertec product certificate. A model of the certificate to be issued based on this Evaluation Guideline has been included in Annex A.

Certified products will be shown on the KIWA Watertec website and will detail a brief description of the certified product(s) and details of the certification holder.

Certification will relate solely to the product(s) referred to in the Kiwa Watertec certificate. Statements by certification holders must refer only to the specifically certified product(s) as designated by the unique model reference.



2 Terms and definitions

For the products as referred to in this evaluation guideline the following terms and definitions are applicable:

Board of Experts (expert group): A board set up by Kiwa Watertec, in which interested parties in the UK Drinking Water sector having a major interest in the development of policies and principles regarding the content and functioning of a certification system may participate and are represented”.

Certificate holder: the entity that enters the Kiwa UK certification agreement.

Evaluation Guideline: details the process and requirements for certification and is agreed by the Board of Experts.

Factory Production Control (fpc): quality system and documentation that ensures that product(s) placed onto the market conform to the stated performance characteristics detailed in the performance standards.

Pre-certification evaluation: an assessment including functional testing, materials are acceptable and that the quality system is adequate in order to ascertain that all the requirements detailed in the Evaluation Guidelines are satisfied.

Primary certification: applicant who gains the initial certification of the product.

Product certificate: a document, in which Kiwa declares that a product may, on delivery, be deemed to comply with the product specification recorded in the product certificate.

Regulators Specifications?: series of test criteria applied to water products that can be used to determine that a water using product is compliant with the Water Supply (Water Fittings) Regulations/Byelaws.

Secondary certification (private label): applicant who does not manufacture product but uses already certified unvented apparatus.

Supplier: the party that is responsible for ensuring that the products meet and continue to meet the requirements on which the certification is issued.

Surveillance Inspection: on-going audit of the manufacturing facility/site carried out after the certification has been issued for those manufacturers who do not have ISO 9001 accreditation.

Third Party certification: applies for a primary certification who does not manufacture the product and the manufacture does not KUK unvented certification.

Unvented hot water storage

means a vessel fed with water from a supply pipe or dedicated storage cistern (without a vent pipe) and in which water is heated directly or indirectly. Expansion of the water when it is heated is accommodated either internally or externally and the system is fitted with safety devices, to prevent water temperatures exceeding 100°C, and other applicable operating devices to control primary flow, prevent backflow, control working pressure and accommodate expansion.

Water Fittings Includes pipes, taps, ferrules, valves, cisterns, mixing valves and similar apparatus used in connection with the supply of water within a building.

Water Regulations are defined in the following:

UK Regulators Specifications	A set of test criteria issued by the UK Government for compliance with the UK Water Supply (Water Fittings) Regulations 1999.
UK Water Supply (Water Fittings) Regulations 1999.	UK Government Regulations protecting the supply of wholesome water supplied by the Water Undertaker
The Water Byelaws (Water Fittings) (Scotland) Byelaws 2014	Scotland Government Regulations protecting the supply of wholesome water supplied by the Water Undertaker
The Water Supply (Water Fittings) Regulations (Northern Ireland) 2009	Northern Ireland Government Regulations protecting the supply of wholesome water supplied by the Water Undertaker

Wholesome water. Water supplied by a water undertaker and complying with the requirements of regulations made under section 67 of the Water Industry act 1991. Wholesome water complies with the Drinking Water Directive and is intended for drinking, cooking, food preparation or other domestic purposes (also referred to as Potable Water or drinking water).



3 Process for gaining Approval

3.1 Approval process

- Applicants must complete and return the application form A4
- The application will be managed by a Project Manager (PM) who will either request further information or will process the application and documentation supplied
- A sample number is assigned for each application made (Calon is used to manage the approval)
- A quote and certification agreement are produced that details the cost for certification and the applicable tests to be undertaken. The certification agreement also refers to the activities related to obtaining and maintaining the Kiwa Watertec Certification for the product(s) detailed in the application document.
- The certification agreement must be signed by the applicant and the manufacture of the product (if different) and if the product is not already certified by the manufacture
- The signed certification agreement and any information requested is returned to the PM
- Outstanding queries are resolved between the applicant and the PM and a final contract review of the application is undertaken
- Test samples are requested (SR1)
- Samples received and are then tested
- The FPC is evaluated by either providing the applicants ISO 9001 certificate or details of their quality system, see clause 8
- If the evaluations are satisfactorily completed, then the certification file is collated with the following:
 - Test results after evaluation
 - ISO 9001 **and** details of the fpc
 - Non-Metallic materials are compliant with BS 6920
 - Supporting evidence is available (installation documents/drawings, application fpc etc)
- Certification file is reviewed
- The certification decision is made as detailed in ISO/IEC 17065 (clause 7.6)
- The Kiwa website is updated (Calon is used to manage the website)
- The product certification certificate is produced and sent to the applicant (Calon)

3.2 Pre certification evaluation & testing

The pre-certification evaluation and testing to be undertaken is based on the heater type:

- type testing (mechanical):
 - BS EN 12897:** 2016 – Water Supply -Specification for indirect heated unvented (closed) storage water heaters
 - BS EN 60335-2-21:** 2003 Housed and similar electrical appliances. Safety, Particular Requirement's for Storage Heaters for Direct Electrical Water Heaters.
 - Kiwa Watertec Testing Document** for Unvented Hot Water Storage Cylinders to the requirements of the UK Building Regulations.
 - UK Water Supply (Water Fittings) Regulations/Byelaws** – Regulation 4(1)(a)
- verification of the suitability of materials in contact with drinking water to determine whether the product(s) comply with the requirements of the scheme
- Assessment of the fpc/9001
- Installation documentation is provided that details minimum requirements

3.3 Additions and modifications to an existing certificate

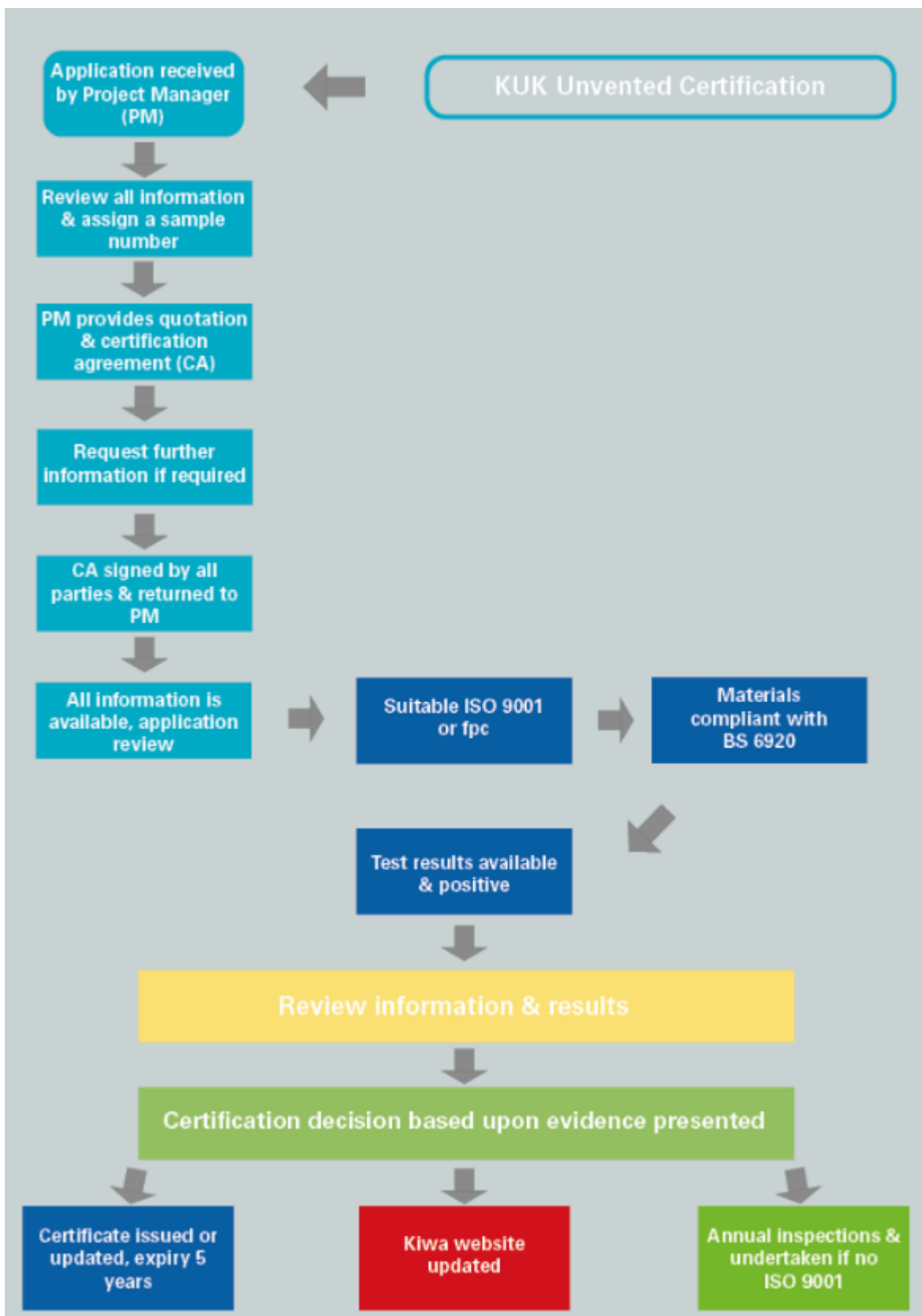
Additions and or modifications to an existing certificate will need to be fully documented and agreed prior to the modification(s) being agreed or the additions to be listed. The KUK unvented certification scheme will need to be notified by the primary certification holder of the addition/modification by completing and returning the application form A4 along with supporting documentation. A decision will then be made by KUK certification upon how to progress to accommodate the addition and or modification, see 10.11.

3.4 Granting of the certificate

After finishing the pre-certification examination, the results are collated and presented to the decision-maker for consideration. This person evaluates the results and decides whether the certificate can be granted or additional data and/or tests are necessary as stated in ISO 17065 (Clause 7.6.2).



Flow Chart for a new application, an application for a modified product or an additional product to range





4 Requirements and test methods

4.1 General

This chapter contains the requirements that unvented hot water storage systems must be compliant with to be issued with KUKG3 certification. These requirements will form part of the technical specification of the products and are detailed in the certificate.

4.2 Product requirements and test methods

Compliance with G3 of the UK Building Regulations.

Deemed to comply when the unvented heater(s) satisfy the respective test methods & requirements detailed in the following standards:

BS EN 12897: 2016. Water Supply -Specification for indirect heated unvented (closed) storage water heaters

BS EN 60335-2-21: 2003 Housed and similar electrical appliances. Safety, Particular Requirement's for Storage Heaters for Direct Electrical Water Heaters.

Kiwa UK Ltd Testing Document for Unvented Hot Water Storage Cylinders to the requirements of the UK Building Regulations.

UK Water Regulator's Specifications referred to in UK Water Supply (Water Fittings) Regulations/Byelaws – Regulation 4(1)(a)

Deviations and interpretations from the text detailed in the standards can be made and will be documented by Kiwa Watertec. For testing purposes, it may be necessary to cut/damage/destroy the test sample in order to achieve a result.

4.3 Materials in contact with water

The standards detailed above include a statement that all materials coming into contact with water intended for human consumption shall present no health risk or cause any change to the water in terms of quality, appearance, smell or taste.

Non-metallic materials in contact with water shall meet the requirements of BS 6920.

Note: Materials will be subject to re-assessment in contact with drinking water every five years, also see evaluation guideline EG004 and EG005.

4.4 Additional specifications:

The following additional requirements are applicable:

None.



5 Sampling

5.1 General

Test samples are required for testing that are representative of the product range requiring certification.

Samples for test are expected to be from a production batch with pre-production or prototype samples not being accepted for final certification.

When the quote and certification agreement has been signed and returned the samples required for test will be detailed in the form SR1.

5.2 Sampling requirements

As detailed in the Kiwa quality manual, deviation is allowed but this must be agreed with the certification Manager prior to sample selection being undertaken.

5.3 Re-test/failure

When additional samples must be selected due to a failure in testing, a new batch of samples shall be selected from a new production batch.

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6 Installation and Maintenance documents

6.1 General

Assembly instructions and operating and service recommendations including maintenance instructions shall be supplied with the water heater.

These documents shall include specific information upon the operating characteristics of the unvented apparatus, and include the following:

6.2 The assembly instructions shall include, as a minimum, the following information:

a) technical data, including:

- 1) maximum inlet pressure (rated pressure) of the primary and the secondary system in Pa or bar
- 2) maximum operating temperature of the heating fluid in °C
- 3) type of corrosion protection and maintenance
- 4) rated storage volume of the water heater
- 5) location and nominal diameter of all connections
- 6) accommodation of expansion water
- 7) pressure drop through the primary heater
- 8) primary flow rate information
- 9) diagram showing position of devices, drain tap, etc
- 10) V40 hot water volume in litres

b) installation instructions with recommendations on mounting surfaces, distance from walls and protection with regard to frost.

- 1) method for external pipework connection
- 2) type and size of safety devices and drain tap
- 3) necessary temperature control devices, including the wiring diagram
- 4) type of inspection access if provided

6.3 The operating instructions shall include, as a minimum, the following information:

- a) name and address of the manufacturer
- b) marking information given in Clause 5 of BS EN 12897
- c) information on recommended maintenance
- d) information on the disassembly, recycling and disposal of the product

6.4 Installation and maintenance in the product standards.

See BS EN 12897 and EN 60335-2-21 that detail the requirements for the installation and maintenance documents.



7 Marking

7.1 General

BE EN 12897 and EN 60335-2-21 require the apparatus to be suitably marked and these requirements are detailed below.

The Kiwa requirements are as follows. After receiving the Kiwa certificate, the certified product(s) packaging or installation documents etc may be indelibly marked with the following Kiwa UK Logos.

When displaying the Kiwa pictogram, the guidelines detailed in the Kiwa use of pictograms available on the Kiwa.com must be followed:

The product/packaging can be marked KUK Building Regulations compliant.

For further information please contact uk.marketing@Kiwa.com



7.2 G3 states the following and this will be verified during the evaluation process.

3.23 Any unvented hot water storage system unit or package should be indelibly marked with the following information:

- a. the manufacturer's name and contact details;
- b. a model reference;
- c. the rated storage capacity of the storage water heater;
- d. the operating pressure of the system and the operating pressure of the expansion valve;
- e. relevant operating data on each of the safety devices fitted; and
- f. the maximum primary circuit pressure and flow temperature of indirect hot water storage system units or packages.

3.24 In addition, the following warning **should** be indelibly marked on the hot water storage system unit or package so that it is visible after installation:

WARNING TO USER

- a. Do not remove or adjust any component part of this unvented water heater; contact the installer.
- b. If this unvented water heater develops a fault, such as a flow of hot water from the discharge pipe, switch the heater off and contact the installer.

WARNING TO INSTALLER

- a. This installation is subject to the Building Regulations.
- b. Use only appropriate components for installation or maintenance.

Installed by: Name

Address

Tel. No.

Completion date

7.3 Marking requirements in the product standards.

See BS EN 12897 clause 5 and EN 60335-2-21 clause 7 that detail the marking requirements that must be made on the apparatus.



8 Requirements in respect of the quality system

8.1 General

The manufacturer shall establish, document and maintain an FPC system to ensure that the products placed on the market conform to the stated performance characteristics. The FPC system shall consist of procedures, regular inspections and tests and/or assessments and the use of the results to control raw and other incoming materials or components, equipment, the production process and the product.

An FPC system conforming to the requirements of EN ISO 9001 and made specific to the requirements of the performance standards detailed in this Evaluation Guideline.

The results of inspections, tests or assessments requiring action shall be recorded, as shall any action taken.

The action to be taken when control values or criteria are not met shall be recorded.

Production testing must include the following tests:

- Pressure testing following complete fabrication, but before lining for corrosion protection and application of insulation, each water storage vessel and primary heater, see EN 12897 clause 6.3.
- Annually one cylinder from the approved range must undergo durability testing see EN 12897 clause 4.3.3.

The following must have been demonstrably recorded in the manufacturers FPC system.

- what aspects are checked by the producer
- according to what methods such inspections are carried out
- how often these inspections are carried out
- in what way the inspection results are recorded and kept

8.2 ISO 9001 not available

An Initial and annual site inspection of the manufacture's facility will be required to ensure that the fpc detailed in this Evaluation Guideline and the performance standards referred are in place and appropriate.



9 Working instructions and inspection plans.

This chapter contains a summary of the initial and on-going testing and inspections required for KUKG3 certification.

- Pre-certification tests
- Confirmation that the non-metallic material in contact with water are compliant with BS 6920 requirements
- Verification and inspection (if appropriate) of the manufacturers quality system

The frequency with which Kiwa will carry out inspection & on-going testing is detailed in the inspection plan below.

9.1 Inspection plan, initial and on-going

Description of requirement	Clause	Tests within the scope of		
		Pre-certification	inspection	frequency (no./year)
Unvented heaters BS EN 12897				
Non-metallic materials compliant with BS 6920 and within 5-year certification period. this EG	4.3	Y	N	
Functional Requirements				
• Performance testing	Annex A/B	Y	N	1 in 5
• Constructional Requirements	4.1	Y	N	1 in 5
• Inspection access	4.1.1	Y	N	1 in 5
• Draining	4.1.2	Y	N	1 in 5
• Hydraulic connections	4.1.3	Y	N	1 in 5
• Temperature control	4.2	Y	N	1 in 5
• Mechanical resistance and stability	4.3	Y	N	1 in 5
• Safety equipment	4.4	Y	N	1 in 5
Marking, this EG	7	Y	N	1 in 5
Quality, this EG	8	Y	Y ¹⁾	1 ¹⁾

¹⁾ Required inspection by Kiwa if the manufacturer does not have ISO 9001 accreditation and in case of significant changes of the product or production process, compliance of the product to the performance requirements shall be determined



10 Agreements on the implementation of certification

10.1 General

Beside the requirements included in these evaluation guidelines, the general rules for certification detailed in the 'Kiwa Regulations for Product Certification' are also applicable.

These Regulations specify:

- The general rules for conducting the pre-certification tests, to be distinguished in:
 - the way suppliers are to be informed about an application is being handled,
 - how the tests are conducted,
 - the decision to be taken because of the pre-certification tests.
- The general directions for conducting inspections and the aspects to be audited (if any).
- The measurements to be taken by Kiwa in case of non-Conformities.
- Measures to be taken by Kiwa in case of improper Use of Certificates, Certification Marks, Pictograms and Logos.
- Terms for termination of the certificate.
- The possibility to lodge an appeal against decisions of measurements taken by Kiwa.
- Cancellation of certificates, see clause 10.15.
 - a) Manufacturers who wish to cancel certificates must give 6 months' notice of cancellation. If cancellation is within 6 months of date of renewal, then 50 % payment of the following year invoice in respect of Administrative Fees and Annual Certificate Fees
 - b) After the cancellation has been notified, the manufacturer cannot mark their products with the relevant certification mark or claim compliance to the relevant certification mark
- Sleeping certificates.
 - c) Manufacturers can request a sleeping certificate if there is no production of Kiwa UK Certified products during the period of the certificate is sleeping
 - d) The first year the sleeping certificate is issued there is not charge, however on every following year the certificate is sleeping the manufacturer is subject to 50 % payment of next year's invoice administrative fees and annual certificate fees

10.2 Certification staff

The staff involved in the certification may be sub-divided into:

- Project Managers: they oversee the evaluation process and co-ordinate inspections (if required) and pre-certification testing (if required).
- certification experts: they oversee carrying out the pre-certification tests and assessing the inspectors' reports.
- inspectors: they undertake external inspections at the supplier's works.
- decision-makers: they make the certification decisions after consulting the available information in connection with the pre-certification testing and inspections undertaken.

10.3 Report pre certification tests

Kiwa accesses the results of the pre-certification tests in a report. This report shall comply with the following requirements:

- completeness: the reports verdicts about all requirements included in the evaluation guideline,
- traceability: the findings on which the verdicts have been based shall be in a recorded traceable manner,
- basis for decision: the decision maker shall be able to base his decision on the findings included in the report.

10.4 Decision for granting the certificate

The decision for granting the certificate shall be made by a qualified decision maker which has not been involved in the pre-certification tests/evaluation. The decision shall be recorded in a traceable manner.

10.5 Lay out of certification certificate

The product certificate shall conform to the model included as appendix A.

10.6 Nature and frequency of inspections

The certification body (if required, no ISO 9001) will carry out an annual inspection of the manufacture/supplier at regular intervals to check whether the manufacture/supplier complies with their fpc obligations detailed in the performance standard. The duration of the inspection is dependent upon the requirements specified in clause 9.1 of this Evaluation Guideline and the number of products certified by Kiwa.

The results of each inspection shall be recorded within a traceable report.

10.7 Interpretation of requirements

The Board of Experts may record the interpretation of requirements of these evaluation guidelines in one separate interpretation document.



10.8 Access for site inspection (if required)

KIWA shall be granted access to all facilities and production locations of the Company, except where precluded from doing so by restrictions included in agreements between the Company and KIWA or by government regulations, and where KIWA has been notified in advance and is satisfied as to the validity of these restrictions. Refused or delayed access may result in withdrawal of Certification.

10.9 Co-operation with Kiwa

Audits and sampling of Products by KIWA is for the benefit of the Company as well as in the public interest. While engaged in the performance of these duties, KIWA shall be given every assistance necessary, and shall have the right to examine all records, equipment, areas, personnel and Company's subcontractors; and investigation of complaints; bearing upon the duties and responsibilities of KIWA or the Company with respect to compliance with KIWA requirements.

While in a Company's facility, KIWA representatives shall comply with all applicable health and safety rules and be accompanied by authorised Company personnel. The Company shall notify KIWA in advance of any health and safety equipment necessary for access to the Company's facility, or shall provide the necessary health and safety equipment for the KIWA auditor's use during the audit, along with instructions for proper use.

KIWA auditors may discontinue an audit at a site where their health and safety may be at risk, if they are subject to sexual harassment or discrimination, or the conduct of the Company staff hampers the completion of a valid audit. The Company may, at any time for any reason, require that an auditor of KIWA leave the facilities of the Company. An auditor shall immediately notify executive management of the Company and KIWA if an audit is to be discontinued. If an audit is terminated its status is "attempted".

10.10 Company records of complaints about its certified products

The Company shall retain a record of complaints and remedial actions taken by the Company, and shall make the record available to KIWA upon request.

All complaints received by the Company, the subject of which is under the Company's control, and referring to Certified Products or services covered by the scope of the Certification provided by KIWA, are included in this policy. At a minimum, the record shall include:

- The nature of the complaint
- Identification of the Product and/or services pertinent to the complaint
- Confirmation that remedial action(s) have been taken
- The status (open or closed) of the complaint, as known to the Company

All records and other information provided to KIWA (upon request) shall remain the property of the Company and be handled by KIWA as confidential information.

10.11 Modification and or addition to certified product(s)

A modification or addition to a certified product must be made using the Application Form A4. The exact details of the modification/addition must be clearly stated with supporting evidence provided and if necessary highlighted in a general assembly drawing.

The Certification Manager and if appropriate the Senior Managers will then determine the test requirements (if any) for the modified and/or additional product(s).

If appropriate, test reports from the KIWA approved test laboratory will then be required prior to agreement for the modification.

10.12 Secondary certification

A secondary certification can be issued for products that already have a primary certification, this must be undertaken after permissions and clarifications have been received from the primary certification holder with supplementary information also being provided.

An application for a secondary certification must be made using the Application Form A2, this requires the following confirmations from the primary certification holder.

- Confirm that the products supplied to the secondary applicant are identical to the primary product(s)
- Confirm that the water pathways, materials, construction and method of manufacture is the same as that for the primary product(s).
- Give permission that the secondary applicant can use the existing Kiwa certification to progress this secondary certification. (the application form A2 requires reference to the existing approved product name and the corresponding secondary products designation (model no's)

The Secondary applicant must provide details of the secondary product(s) designation/name and the following information must also be provided:

- installation and maintenance document and if appropriate product literature
- Confirmation of the secondary applicants ISO 9001 or fpc were applicable.
- Revised identification to appear on the secondary product(s)
- Details of the identification that will be used on the secondary product(s) The identification must satisfy the appropriate performance standard.



The certification (evaluation) process (clause 3) is then followed, testing is not required if the product to be certified is exactly the same as that previously certified. The certification period will be the same as the primary certified product.

10.13 Fees

The following fees apply: -

- An application fee for the assessment of the materials and documents
- An assessment of the materials and documents
- An initial and annual certification fee per scheme
- If required (no ISO 9001) a fee for the initial inspection assessment at the place of manufacture to confirm fpc.
- Hourly fee for additional work above that expected for an application
- Amendments to certifications and / or certification issues chargeable at the hourly rate

10.14 Complaints & appeals

Complaints and appeals regarding unvented certification should be addressed to the Kiwa Certification manager in the first instance. This will be reviewed by the senior management team and if appropriate to the Board of experts and impartiality committee for resolution.

In the event of there being irreconcilable differences the Kiwa Regulations for the Board of appeal shall be followed.

10.15 Certification withdrawn

Certification may be withdrawn for the following reasons: -

- Expiration of certification
- Failure of an inspection, change of materials
- Failure to maintain ISO 9001 certification or aged fpc
- Reported product failure in service
- Licence holder's request
- Breach of terms and conditions
- Non-payment of fees

Annex A: Model of the Kiwa Watertec product Certificate

CERTIFICATE



Certificate number: **Year-and-month-01-(iss)**

Issued: **25-07-2021**
 Expires: **N/A**

Kiwa-G3-Building-Regulation-(KUKG3)--Unvented-Water-Heater-&-KUKreg4-Certification

Evaluation-Guideline--Kiwa-UK--EG003--Building-Regulation-G3
 Evaluation-Guideline--Kiwa-UK--EG004--Regulation-4(1)(a)

Model-number(s)--see-Appendix

Company name

Kiwa Watertec declares that legitimate confidence exists in the products specified in this certificate and supplied by the above organisation be relied upon to comply with the Kiwa Evaluation-Guideline referred above.

Which verifies the requirements of:

The-Building-Regulations-2010-(England-&-Wales)--Requirements-G3,-L1-&-Regulation-7.

The-Building-(Scotland)-Regulations-2004--Schedule-5,-Section-6-clause-4.3,-6.3-&-6.4.

The-Building-Regulations-(Northern-Ireland)-2012--Part-B-clause-23-&-Part-P-clause-38.

Regulation-4(1)a-of-the-Water-Supply-(Water-Fittings)-Regulations-1999-England-&-Wales;-2009-Northern-Ireland-and-2014-Byelaws-Scotland.

This certificate has been issued in accordance with the Kiwa regulations for product certification.

Signed on behalf of Kiwa Watertec

David Jay, Business Unit Manager--Authorised Signatory
 Kiwa Watertec

Publication of this certificate is allowed.

Products are intended to be used in the UK only. For other countries, other (National) requirements will apply.
 See <https://www.kiwa.com/gb/en/about-kiwa/water-products/> to ensure that the certificate is still valid.

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Kiwa Watertec
 (A Trading Division of Kiwa Ltd)
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~~Quarry~~ Vale
 Gwent
 NP23 5SD
 United Kingdom
 T +44 (0)1495 306155
 uk.water@kiwa.com
www.kiwa.co.uk

Certificate issued to:
 Address



Product Certificate



Appendix to Certificate number: *****

¶

¶

The following products belong to this certificate

¶

Product description:	□
Models:	□
Size:	□
Scope: Recommended maximum working pressure 10 bar & maximum temperature 85°C.	□
Hygienic Purposes: Non-metallic materials suitable for continuous use up to 85°C.	□
Above-ground use only/ Above and below-ground use.	□
Wall-mounted/ Deck-mounted/ Floor-standing/ Free standing.	□
Materials: Non-metallic materials assessed (BS 6920) to point of discharge.	□
Backflow protection notes:	□
Marking:	□
Additional notes:	□
Opacity.	□
All water contact & exposed components satisfy opacity requirements.	□
	□

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Extra Notes:

None