

9<sup>th</sup> February 2018

Our Ref: 1703720 AMD 1

Sample No: S180094

BSS Group Ltd  
BOSS Court  
7 Barton Close  
Enderby  
Leicester  
LE19 1SJ

**Kiwa Ltd**

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NP23 5SD, UK

+44 (0)1495 308185

watertecenquiries@kiwa.co.uk

[www.kiwa.co.uk](http://www.kiwa.co.uk)

Dear Sir,

1. Samples of fittings or units described below have been subjected to relevant tests and examinations contained in the "UK Regulators Specification", and after considering the test reports, KIWA Ltd finds that the fittings or units so described, comply with, when correctly installed, the requirements of the UK Water Supply (Water Fittings) Regulations 1999, Water Byelaws 2004 Scotland and the Water Supply (Water Fittings) Regulations (Northern Ireland) 2009.

The product is also found to comply with UK Building Regulations:-

The Building Regulations 2010 (England & Wales)

*Requirements G3, L1 and Regulation 7.*

The Building (Scotland) Regulations 2004.

*Schedule 5, Regulation 9, Sections 4.9 and 6.4.*

The Building Regulations (Northern Ireland) 2000

*Regulation B2, F4 and P5.*

## DIRECTORY INDEX CATEGORY 1885

### UNVENTED HOT WATER STORAGE APPARATUS

1885

**Tested for compliance with the Building Regulations**

**IRN**

**R001, R140, R360**

**Tradename:**

**BOSS Domestic**

Range of cased and insulated vertical direct, indirect, twin coil and direct solar, unvented stainless steel hot water storage cylinders. The cylinder has a factory fitted temperature pressure relief valve set at 7 bar 90°C, a safety kit incorporating a pressure reducing (3.0 bar) valve, single check valve and expansion relief valve set at 6 bar, an expansion vessel, and a tundish. Standard immersion heaters (maximum 70°C) fitted with combined control thermostat and high limit thermostat (Maximum 83°C). Maximum inlet pressure to the pressure reducing valve 10 bar. Maximum operating pressure 3.0 bar.

**Size:**

**100 -1000 Litres**

**Product**

**BOSS Domestic Unvented hot water cylinders**

**Designation:**

**Indirect:**



Indirect: BOSS 100L Indirect, BOSS 125L Indirect, BOSS 150L Indirect, BOSS 170L Indirect, BOSS 200L Indirect, BOSS 250L Indirect, BOSS 300L Indirect, BOSS 400L Indirect and BOSS 500L Indirect.  
Twin Coil: BOSS 170L Twin, BOSS 200L Twin, BOSS 250L Twin, BOSS 300L Twin, BOSS 400L Twin and BOSS 500L Twin

Marking: Data label on body show manufacturers name, model number, range name, warning labels and additional technical information.

Factor: BSS Group Ltd

2. Installation Requirements & Notes are set out at the end of this approval letter.
3. Fittings or units (and any non-metallic components within them) are re-assessed and, where necessary, retested every 5 years. You will be advised when your product is due for re-assessment. The extent of any retesting required for a product will be at the discretion of the Technical Manager.
4. Acceptance for listing entitles the applicant to identify your product with the Scheme's (KIWA Water Regulations Approval Scheme) mark. The use of the Mark will make the identification easier of the approved products by the Water Undertakers. Copies of the Mark are available on request for the purposes of producing artwork.
5. Manufactures or applicants may only quote in their sales literature, items used in this letter when indicating the decision of the Scheme in respect to their fittings or units, namely that the use of these fittings or units, when correctly installed, will not contravene the requirements of the Water Supply (Water Fittings) Regulations 1999, Water Byelaws 2004 Scotland or Water Regulations (Northern Ireland) 2009 and that a reference to the fittings or units will be included in the Scheme's web site.
6. Since the incorrect installation of water fittings could result in contravention of the Regulations or Byelaws requirements, the attention of your customers should be drawn to any Installation Requirements for Regulations or Byelaws compliance set out on Page 3.
7. Would you please supply the Scheme with a copy of any of your company literature, which may or will make reference to the Scheme's decisions about the products and/or quotes any of the installation requirements.
8. A condition of listing is that no modifications to these fittings or units described above shall be made without first notifying the Scheme and submitting to the Scheme details of the modifications and, if so required, samples of the fittings or units as so modified for consideration by the Scheme. Failure to comply with this condition may result in the removal from the Scheme's listing for the entry relating to the fittings or units in question.
9. Your products are requested to be replicas of the samples described above, and the right is reserved to carry out quality surveillance inspections of your production arrangements, reasonable written notice of which will be given.



10. Please note that the use of the items described in any particular area of supply is at the discretion of the Local Water Undertaking.
11. Manufactures or factors having appliances or units referred to in the Scheme's listing which incorporated individually approved components and materials are asked to ensure that such components and materials continue to be approved and/or listed in the relevant approved listings, during the current period of approval of their appliance. This may require modifications to approved appliances to ensure their retention in the Scheme's listings. The Scheme must be informed of any modifications (See Paragraph 8).
12. You are asked to verify the details of your products as set out in Paragraph 1 and advise us of any discrepancies.

Yours faithfully



David Jay  
**Business Manager**

#### Installations Requirements & Notes. IRN

##### **IRN R001~**

See text of entry for Installation Requirements or Notes.

##### **IRN R140 ~**

Sealed primary circuits and /or secondary hot water systems shall incorporate a means for accommodating the thermal expansion of water to prevent any discharge from the circuit and/or system except in an emergency situation.

##### **IRN R360~**

Domestic unvented primary circuits may be filled or replenished by means of a temporary connection between the primary circuit and the supply pipe. An 'Approved' double check valve shall be installed at the point of connection to the supply pipe. A permanent connection between the primary circuit and the supply pipe may be made via a CA backflow prevention device or some other no less effective backflow prevention device.



**UK APPROVAL**  
**Certificate Number: 1703701 Amd 1**



Date Issued: 9<sup>th</sup> February 2018

Date Expired: 10<sup>th</sup> March 2022

Description: Range of cased and insulated vertical direct, indirect, twin coil and direct solar, unvented stainless steel hot water storage cylinders. The cylinder has a factory fitted temperature pressure relief valve set at 7 bar 90°C. Maximum inlet pressure to the pressure reducing valve 10 bar. Maximum operating pressure 3.0 bar.

**Product Designation:**

BOSS Domestic Unvented hot Water Cylinders

Indirect: BOSS 100L Indirect, BOSS 125L Indirect, BOSS 150L Indirect, BOSS 170L Indirect, BOSS 200L Indirect, BOSS 250L Indirect, BOSS 300L Indirect, BOSS 400L Indirect and BOSS 500L Indirect.

Twin Coil: BOSS 170L Twin, BOSS 200L Twin, BOSS 250L Twin, BOSS 300L Twin, BOSS 400L Twin and BOSS 500L Twin

This is to certify that the above range of products manufactured / supplied by

**BSS Group Ltd**

1. Has been tested and found to comply with the requirements of the Water Supply (Water Fittings) Regulations 1999 for England and Wales, the Water Byelaws 2000, Scotland and the Water Regulations Northern Ireland.
2. The requirements of the UK Building Regulations:  
The Building Regulations 2010 (England & Wales)  
*Requirements G3, L1 & Regulation 7.*  
The Building (Scotland) Regulations 2004.  
*Schedule 5, Regulation 9, Section 4.9 & 6.4*  
The Building Regulations (Northern Ireland) 2000.  
*Regulation B2, F4 & P5.*

This certificate must be read in conjunction with the acceptance letter for this product. This approval is intended for compliance with the above Regulations and must not be considered equivalent to the product certification provided by Kiwa N.V. To comply with the Regulations and Byelaws all products require the correct installation. Details of the installation requirements (IRN's) can be obtained from the acceptance letter supplied with this certificate.

Applicable IRN's for this certificate - R001, R140, R160

Authorised Signature

Certificate Issued to -  
Metalurgia Videira Lda  
Zona Industrial de Terronhas  
Apartado 3  
4589-904 Recarei-Parades  
Portugal

Kiwa Watertec  
(A Trading Division of  
Kiwa Ltd)  
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