

Commission Regulation (EU) No 814/2013 of 2 August 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for water heaters and hot water storage tanks (Text with EEA relevance)

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ANNEX I

Definitions applicable for Annexes II to VI

For the purposes of Annexes II to VI the following...
'storage water heater' means a water heater equipped with hot...

ANNEX II

Ecodesign requirements

1. ECODESIGN REQUIREMENTS FOR WATER HEATERS
 - 1.1. Requirements for water heating energy efficiency
 - (a) From 26 September 2015 the water heating energy efficiency of...
 - (b) From 26 September 2017 the water heating energy efficiency of...
 - (c) From 26 September 2018 the water heating energy efficiency of...
 - 1.2. Requirements for storage volume of storage water heaters with declared...
 - 1.3. Requirements for mixed water at 40 °C of storage water...
 - 1.4. Requirements for sound power level
 - 1.5. Requirements for emissions of nitrogen oxides
 - (a) From 26 September 2018 emissions of nitrogen oxides, expressed in...
 - 1.6. Requirements for product information related to water heaters
2. ECODESIGN REQUIREMENTS FOR HOT WATER STORAGE TANKS
 - 2.1. Requirement for standing loss
 - 2.2. Requirements for product information related to hot water storage tanks...

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 814/2013. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

ANNEX III

Measurements

1. For the purposes of compliance and verification of compliance with...
2. GENERAL CONDITIONS FOR TESTING WATER HEATERS
 - (a) Measurements shall be carried out using the load profiles set...
 - (b) measurements shall be carried out using a 24-hour measurement cycle...
 - (c) the declared load profile shall be the maximum load profile...
 - (d) any heat generator designed for a water heater, and any...
 - (e) water heaters to be classified as off-peak water heaters are...
3. CONDITIONS FOR TESTING THE SMART CONTROL COMPLIANCE (SMART) OF WATER...
4. CONDITIONS FOR TESTING SOLAR WATER HEATERS
5. CONDITIONS FOR TESTING HEAT PUMP WATER HEATERS
6. TECHNICAL PARAMETERS OF WATER HEATERS
7. TECHNICAL PARAMETERS OF HOT WATER STORAGE TANKS

ANNEX IV

Calculations

1. For the purposes of compliance and verification of compliance with...
2. TECHNICAL PARAMETERS OF WATER HEATERS
3. CALCULATION OF THE WATER HEATING ENERGY EFFICIENCY η_{wh}
 - (a) Conventional water heaters and heat pump water heaters
 - (b) Solar water heaters
4. DETERMINATION OF THE SMART CONTROL FACTOR SCF AND OF SMART...
 - (a) The smart control factor is calculated as follows:
 - (b) If $SCF \geq 0,07$, the value of smart shall be...
5. DETERMINATION OF THE AMBIENT CORRECTION TERM Q_{cor}

ANNEX V

Product compliance verification by market surveillance authorities

The verification tolerances defined in this Annex relate only to...
When verifying the compliance of a product model with the...
The Member State authorities shall verify one single unit of...
The Member State authorities shall use the measurement and calculation...

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The Member State authorities shall only apply the verification tolerances...

Table 7 Verification tolerances Parameters Verification tolerances
Daily electricity consumption,...

ANNEX VI

Indicative benchmarks referred to in Article 6

At the time of entry into force of this Regulation,...

BENCHMARKS FOR WATER HEATING ENERGY

EFFICIENCY OF WATER HEATERS: Declared...

The benchmarks specified in points 1, 2 and 4 do...

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- (1) [OJ L 285, 31.10.2009, p. 10.](#)
- (2) [OJ L 330, 16.12.2009, p. 10.](#)
- (3) See page 83 of this Official Journal.
- (4) [OJ L 316, 14.11.2012, p. 12.](#)

Changes to legislation:

There are outstanding changes not yet made to Commission Regulation (EU) No 814/2013. Any changes that have already been made to the legislation appear in the content and are referenced with annotations.

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Changes and effects yet to be applied to :

- Annex 5 word substituted by [S.I. 2019/539 Sch. 2 para. 20\(10\)\(e\)\(i\)](#)
- Annex 5 word substituted by [S.I. 2019/539 Sch. 2 para. 20\(10\)\(e\)\(ii\)](#)
- Annex 5 words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 20\(10\)\(a\)](#) by [S.I. 2020/1528 reg. 6\(1\)reg. 6\(2\)\(b\)\(xix\)](#)
- Annex 5 words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 20\(10\)\(b\)](#) by [S.I. 2020/1528 reg. 6\(3\)reg. 6\(4\)\(b\)\(xix\)](#)
- Art. 2 words substituted by [S.I. 2019/539 Sch. 2 para. 20\(3\)\(a\)](#)
- Art. 2 words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 20\(3\)\(a\)](#) by [S.I. 2020/1528 reg. 4](#)
- Art. 4 words substituted by [S.I. 2019/539 Sch. 2 para. 20\(4\)](#)
- Art. 5 substituted by [S.I. 2019/539 Sch. 2 para. 20\(5\)](#)
- Art. 5 words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 20\(5\)](#) by [S.I. 2020/1528 reg. 6\(3\)reg. 6\(4\)\(b\)\(xix\)](#)
- Art. 7 omitted by [S.I. 2019/539 Sch. 2 para. 20\(6\)](#)

Changes and effects yet to be applied to the whole legislation item and associated provisions

- Signature words omitted by [S.I. 2019/539 Sch. 2 para. 20\(7\)](#)
- Annex 5(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 20\(10\)\(c\)\(i\)](#)
- Annex 5(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 20\(10\)\(c\)\(ii\)](#)
- Annex 5(7) omitted by [S.I. 2019/539 Sch. 2 para. 20\(10\)\(d\)](#)
- Annex 3 para. 1 words substituted by [S.I. 2019/539 Sch. 2 para. 20\(8\)](#)
- Annex 4 para. 1 words substituted by [S.I. 2019/539 Sch. 2 para. 20\(9\)](#)
- Art. 1(2)(c) words inserted by [S.I. 2019/539 Sch. 2 para. 20\(2\)\(a\)](#)
- Art. 1(2)(c) words inserted by [S.I. 2019/539 Sch. 2 para. 20\(2\)\(b\)](#)
- Art. 1(2)(c) words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 20\(2\)\(a\)](#) by [S.I. 2020/1528 reg. 4](#)
- Art. 1(2)(c) words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 20\(2\)\(b\)](#) by [S.I. 2020/1528 reg. 4](#)
- Art. 2(18) substituted by [S.I. 2019/539 Sch. 2 para. 20\(3\)\(b\)](#)