

Heating boilers —

Part 2: Heating boilers with forced draught burners — Special requirements for boilers with atomizing oil burners

The European Standard EN 303-2:1998, with the incorporation of amendment A1:2003, has the status of a British Standard

ICS 91.140.10

National foreword

This British Standard is the official English language version of EN 303-2:1998, including amendment A1:2003. It supersedes BS EN 303-2:1992 which will be withdrawn.

prEN 303-1 review has not been approved and therefore it is only possible to use EN 303-2:1998 in accordance with EN 303-1:1992 and EN 303-4:1998.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by **A1** **A1**.

The UK participation in its preparation was entrusted to Technical Committee RHE/10, Heating boilers, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 12, an inside back cover and a back cover.

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English version

Heating boilers — Part 2: Heating boilers with forced draught burners — Special requirements for boilers with atomizing oil burners

(includes amendment A1:2003)

Chaudières de chauffage —
Partie 2: Chaudières avec brûleurs à air
soufflé —
Prescriptions spéciales pour chaudières avec
brûleurs fioul à pulvérisation
(inclut l'amendement A1:2003)

Heizkessel —
Teil 2: Heizkessel mit Gebläsebrenner —
Spezielle Anforderungen an Heizkessel mit
Ölzerstäubungsbrennern
(enthält Änderung A1:2003)

This European Standard was approved by CEN on 6 June 1998; amendment A1 was approved by CEN on 3 April 2003.

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CEN

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 57, Central heating boilers, the Secretariat of which is held by DIN.

This European Standard supersedes EN 303-2:1992.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 1999, and conflicting national standards shall be withdrawn at the latest by April 1999.

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this standard.

The following structure is intended for the standards for heating boilers:

prEN 303-1, *Heating boilers — Part 1: Heating boilers with forced draught burners — Terminology, general requirements, testing and marking.*

prEN 303-2, *Heating boilers — Part 2: Heating boilers with forced draught burners — Special requirements for boilers with atomizing oil burners.*

prEN 303-3, *Heating boilers — Part 3: Gas fired central heating boilers — Assembly comprising a boiler body and a forced draught burner.*

prEN 303-4, *Heating boilers — Part 4: Heating boilers with forced draught burners — Special requirements for boilers with forced draught oil burners with outputs up to 70 kW and a maximum operating pressure of 3 bar — Terminology, special requirements, testing and marking.*

prEN 303-5, *Heating boilers — Part 5: Heating boilers for solid fuels, hand and automatically fired, with a nominal heat output of up to 300 kW — Terminology, requirements, testing and marking.*

EN 304, *Heating boilers — test code for heating boilers for atomizing oil burners.*

The following requirements were taken into account and/or amended:

- a) limitation of the emissions;
- b) energy economy;
- c) prevention of burning;
- d) minimal boiler efficiency for full-load (100 %) and part-load (30 %) in Figure 1;
- e) taking-over of the formulas for calculation for boiler efficiency at full-/part-load;
- f) declaration of tolerances for the air ratio in Figure 1;
- g) Extension of the heat output from 300 kW up to 1 000 kW.

If the boiler was already tested with a forced draught burner for gaseous fuels in accordance with EN 303-1 and EN 303-3, the tests described in **3.2** and **3.6** need not be performed.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Foreword to amendment A1

This document (EN 303-2:1998/A1:2003) has been prepared by Technical Committee CEN/TC 57, Central heating boilers, the Secretariat of which is held by DIN.

This amendment to the European Standard EN 303-2:1998 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2004, and conflicting national standards shall be withdrawn at the latest by March 2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

This amendment to the European Standard EN 303-2:1998 specifies the requirements for low-temperature central heating boilers. Its purpose is to complete, amend or shorten EN 303-2:1998. This does not affect the main standard.

WARNING. Other requirements and other EU Directives may be applicable to the products falling within the scope of this European Standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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