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Third edition
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Petroleum, petrochemical and natural gas industries — Calculation of heater-tube thickness in petroleum refineries

Industries du pétrole, de la pétrochimie et du gaz naturel — Calcul de l'épaisseur des tubes de fours de raffineries de pétrole



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 67, *Oil and gas industries including lower carbon energy*, Subcommittee SC 6, *Processing equipment and systems*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 12, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement)

This third edition cancels and replaces the second edition (ISO 13704:2007), which has been technically revised. It also incorporates the Technical Corrigendum ISO 13704:2007/Cor 1:2008.

This document supplements API Std 530, 7th edition (2015) including addendum 1 and addendum 2.

The technical requirements of ISO 13704 and API Std 530 used to be identical. In the meantime API Std 530 has been technically revised as API 530, 7th edition (2015) with addendums 1 and 2. The purpose of this edition of ISO 13704 is to bring it up to date, by referencing the current edition of API Std 530 and including supplementary content.

The main changes are as follows:

- the allowable stress values of some of the materials which have been amended in accordance with the latest WRC bulletin 541, 3rd edition, August 2020.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.