



SLOVENSKI STANDARD
oSIST prEN ISO 25457:2023
01-januar-2023

Petrokemična industrija ter industrija za predelavo nafte in zemeljskega plina - Podrobnosti o plinskih baklah v rafinerijah in petrokemični industriji (ISO/DIS 25457:2022)

Petroleum, petrochemical and natural gas industries - Flare details for general refinery and petrochemical service (ISO/DIS 25457:2022)

Erdöl-, petrochemische und Erdgasindustrie - Fackeln für den allgemeinen Betrieb in Raffinerien und petrochemischen Service (ISO/DIS 25457:2022)

Industries du pétrole, de la pétrochimie et du gaz naturel - Détails sur les torches d'usage général dans les raffineries et dans les usines pétrochimiques (ISO/DIS 25457:2022)

Ta slovenski standard je istoveten z: prEN ISO 25457

ICS:

75.180.20 Predelovalna oprema Processing equipment

oSIST prEN ISO 25457:2023 **en,fr,de**

DRAFT INTERNATIONAL STANDARD

ISO/DIS 25457

ISO/TC 67/SC 6

Secretariat: AFNOR

Voting begins on:
2022-11-10Voting terminates on:
2023-02-02

Petroleum, petrochemical and natural gas industries — Flare details for general refinery and petrochemical service

Industries du pétrole, de la pétrochimie et du gaz naturel — Détails sur les torches d'usage général dans les raffineries et dans les usines pétrochimiques

ICS: 75.180.20

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Reference number
ISO/DIS 25457:2022(E)

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

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ISO/DIS 25457:2022(E)

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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 document cancels and replaces ISO 25457:2008 (including corrigendum July 2015 which added a link to the data sheets) was previously cobranded with API Std 537, *Flare Details for Petroleum, Petrochemical, and Natural Gas Industries*.

This document supplements API Std 537, 3rd edition (2017) including the addendum.

The technical requirements of ISO 25457 and API Std 537 used to be identical. In the meantime API Std 537 has been technically revised as API 537, 3rd edition (2017) with addendum 1 (June 2020). The purpose of this edition of ISO 25457 is to bring it up to date, by referencing the current edition of API Std 537 including the addendum.

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.

Petroleum, petrochemical and natural gas industries — Flare details for general refinery and petrochemical service

1 Scope

This document specifies requirements and provides guidance for the selection, design, specification, operation, and maintenance of flares and related combustion and mechanical components used in pressure-relieving and vapor-depressurizing systems for petroleum, petrochemical, and natural gas industries.

While this document is primarily intended for onshore facilities, guidance related to offshore applications is included. Guidance and best practices for the selection, specification, and mechanical details for flares and on the design, operation, and maintenance of flare combustion and related equipment is also provided.

This document is a supplement to API 537, 3rd edition (2017) including the addendum, the requirements of which are applicable with the exceptions specified in this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

API Std 537, 3rd edition (2017), *Flare details for Petroleum, Petrochemical and Natural Gas Industries*

API Std 5370 Addendum 1, *Addendum to Flare details for Petroleum, Petrochemical and Natural Gas Industries, Third Edition (2020)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in API 537, 7th edition (2017) apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Supplements to API 537, 3rd edition (2017)

4.1 General requirements

The requirements specified in API 537, 3rd edition (2017) shall apply, with the exception specified in [4.2](#).

4.2 Limitations for design procedures

The requirement specified in API 537, 3rd edition (2017) shall apply with the following exception: