



BSI Standards Publication

## Vacuum technology — Vocabulary

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Part 2: Vacuum pumps and related terms

## National foreword

This British Standard is the UK implementation of [ISO 3529-2:2020](#).

The UK participation in its preparation was entrusted to Technical Committee MCE/8/-/4, Vacuum technology.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**ISO**  
**3529-2**

Second edition  
2020-02-25

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**Vacuum technology — Vocabulary —**  
**Part 2:**  
**Vacuum pumps and related terms**

*Technique du vide — Vocabulaire —*

*Partie 2: Pompes à vide et termes associés*



Reference number  
ISO 3529-2:2020(E)

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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](http://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](http://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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 112, *Vacuum technology*.

This second edition cancels and replaces the first edition (ISO 3529-2:1981), which has been technically revised. The main changes compared to the previous edition are as follows:

- under positive displacement pumps are added diaphragm-, peristaltic-, scroll-, screw-, claw- and trochoid vacuum pumps;
- under kinetic vacuum pumps are added regenerative- and compound turbo vacuum pump;
- under gas entrapment or capture vacuum pumps different types of condensers are added;
- under parts, categories and characteristics of vacuum pumps are added some new actual used definitions.

A list of all parts in the ISO 3529 series can be found on the ISO website.

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](http://www.iso.org/members.html).

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