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# Vacuum technology — Standard methods for measuring vacuum-pump performance —

## Part 1: General description

*Technique du vide — Méthodes normalisées pour mesurer les performances des pompes à vide —*

*Partie 1: Description générale*

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# Foreword

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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 112, *Vacuum technology*.

This second edition cancels and replaces the first edition (ISO 21360-1:2012), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

— Note in 3.3 has been deleted;

— $K_0$ in 3.7 has been corrected;

— 3.9 the definition of the volume has been changed to "is the volume of transported gas";

— Figure 1 has been corrected;

— Figure 2 has been corrected;

— 5.2.7: change to "for at least 60s" instead of " for the following minute".

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# Introduction

This document is a basic standard for measuring the performance data of vacuum pumps. The methods specified here are well known from existing national and International Standards. In developing this document, the aim has been to provide a single document containing the measurements of performance data of vacuum pumps and to simplify the future development of specific vacuum pump standards.

Specific vacuum pump standards will contain a suitable selection of measurement methods from this document in order to determine the performance data, limiting values and specific operational conditions on the basis of the specific properties of the particular kind of pump. Whenever a discrepancy exists between this document and the specific standard, it is the specific standard which is valid.

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