BS ISO 21360-2:2020

BSI Standards Publication

Vacuum technology — Standard methods for measuring vacuum-pump performance

Part 2: Positive displacement vacuum pumps

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National foreword

This British Standard is the UK implementation of ISO 21360-2:2020. It supersedes BS ISO 21360-2:2012, which is withdrawn.

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.

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Part 2: Positive displacement vacuum pumps

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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 21360-2:2012), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

— Note added to 3.2 and 3.3. The test report should contain the ambient conditions.

— In A.1.5, the formula has been corrected to $p_a = \frac{\varphi_{H_2O}}{100} p_S(T_1)$.

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Introduction

This document specifies methods for measuring the performance data of positive-displacement vacuum pumps. This document complements ISO 21360-1, which provides a general description of the measurement of performance data of vacuum pumps.

The methods described here are well known from existing national and International Standards. The aim in drafting this document was to collect together suitable methods for the measurement of performance data of positive-displacement vacuum pumps. This document takes precedence in the event of a conflict with ISO 21360-1.

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