

INTERNATIONAL STANDARD

ISO
1607-2

Second edition
1989-11-01

Positive-displacement vacuum pumps — Measurement of performance characteristics —

Part 2: Measurement of ultimate pressure

*Pompes primaires volumétriques à vide — Mesurage des caractéristiques
fonctionnelles —*

Partie 2: Mesurage de la pression limite



Reference number
ISO 1607-2 : 1989 (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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 1607-2 was prepared by Technical Committee ISO/TC 112, *Vacuum technology*.

This second edition cancels and replaces the first edition (ISO 1607-2 : 1978), of which it constitutes a minor revision. The former requirement in 4.2 that the pump be run for at least 24 h has been changed.

ISO 1607 will consist of the following parts, under the general title *Positive-displacement vacuum pumps — Measurement of performance characteristics*:

- *Part 1: Measurement of volume rate of flow (pumping speed)*
- *Part 2: Measurement of ultimate pressure*
- *Part 3: Water vapour pumping capacity*

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Introduction

The purpose of ISO 1607 is to ensure that measurements of the performance characteristics of positive-displacement vacuum pumps are, as far as possible, carried out by uniform procedures and under uniform conditions. It is hoped that, as a result, measurements conducted by different manufacturers or in different laboratories, and statements of performance quoted in manufacturers' literature, will be on a properly comparable basis to the benefit of both user and manufacturer.

It is envisaged that the complete International Standard will, in due course, deal comprehensively with the measurement of a wide range of performance characteristics of the main types of positive-displacement vacuum pumps. In order, however, that useful agreements of more restricted scope may be implemented with the least possible delay, ISO 1607 is published in parts.