SLOVENSKI STANDARD
SIST EN ISO 10637:2018

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Nadomešča:
SIST EN ISO 10637:2001

Zobozdravstvo - Centralna sukcijska (aspiracijska) oprema (ISO 10637:2018)

Dentistry - Central suction source equipment (ISO 10637:2018)

Zahnheilkunde - Zentrale Absauganlage (ISO 10637:2018)

Médecine bucco-dentaire - Systèmes d'aspiration centrale (ISO 10637:2018)

Ta slovenski standard je istoveten z: EN ISO 10637:2018

ICS:

11.060.20	Zobotehnična oprema	Dental equipment

SIST EN ISO 10637:2018 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 10637

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English Version

Dentistry - Central suction source equipment (ISO 10637:2018)

Médecine bucco-dentaire - Systèmes d'aspiration centrale (ISO 10637:2018)

Zahnheilkunde - Zentrale Absauganlage (ISO 10637:2018)

This European Standard was approved by CEN on 9 March 2018.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 10637:2018) has been prepared by Technical Committee ISO/TC 106 "Dentistry" in collaboration with Technical Committee CEN/TC 55 “Dentistry” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2018, and conflicting national standards shall be withdrawn at the latest by December 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 10637:2018 has been approved by CEN as EN ISO 10637:2018 without any modification.

INTERNATIONAL STANDARD

ISO 10637

Second edition
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Dentistry — Central suction source equipment

Médecine bucco-dentaire — Systèmes d'aspiration centrale

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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).

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For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 6, *Dental equipment.*

This second edition cancels and replaces the first edition (ISO 10637:1999), which has been technically revised.

The main changes compared to the previous edition are as follows:

— clarification of the scope;

— addition of the classification according to the air flow rate (Type 1, Type 2 or Type 3);

— addition of measurement and test methods;

— addition of diagrams for different suction source equipment in the Annexes.

Introduction

Dental suction systems evacuate solids, liquids, aerosols and gases from the oral cavity and immediate surrounding area for the purpose of improving operating effectiveness and efficiency during oral treatment procedures and limiting the contamination of the immediate environment. In central suction systems the equipment that generates suction and performs other supporting functions is located in a central location outside of the dental treatment room to isolate this equipment from the immediate vicinity of patient treatment and often to provide suction to multiple treatment rooms.

A central suction system consists of four basic elements:

1) dental treatment room suction components (e.g. dental unit suction system);

2) facility suction pipeline;

3) central suction source equipment;

4) exhaust pipeline.

The central suction source equipment consists of all the components from the facility suction pipeline connection point (i.e. discharge end of the facility suction pipeline) to the exhaust pipeline connection point (i.e. inlet to the exhaust pipeline). In addition to the equipment that generates air flow, centrally located amalgam separators and air water separators (if present) are also component parts of the central suction source equipment.