



# SLOVENSKI STANDARD SIST EN ISO 10637:2018

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**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)

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**ICS:**

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**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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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

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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of an identical text or by endorsement, at the latest by December 2018, and conflicting national standards shall be withdrawn at the latest by December 2018.

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INTERNATIONAL  
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2018-05

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**Dentistry — Central suction source  
equipment**

*Médecine bucco-dentaire — Systèmes d'aspiration centrale*

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# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Classification</b> .....	<b>3</b>
4.1 Classification according to separation of solids and liquids from air flow.....	3
4.2 Classification according to air flow rate.....	3
<b>5 Requirements</b> .....	<b>4</b>
5.1 Characterization of central suction source equipment flow rate performance.....	4
5.2 Maximum suction pressure.....	4
5.3 Safety requirements.....	4
5.4 Electromagnetic compatibility (EMC).....	4
5.5 Other requirements as applicable.....	4
5.5.1 Amalgam separator.....	4
5.5.2 Bacterial filter.....	5
<b>6 Sampling</b> .....	<b>5</b>
<b>7 Measurement and test methods</b> .....	<b>5</b>
7.1 General.....	5
7.1.1 General provisions for tests.....	5
7.1.2 Reference conditions (air flow rates).....	5
7.1.3 Atmospheric conditions.....	5
7.1.4 Other conditions.....	5
7.2 Performance tests.....	6
7.2.1 Measurement of flow rate performance.....	6
7.2.2 Measurement of maximum suction pressure.....	6
7.2.3 Measures to prevent excessive static suction at the facility suction pipeline connection point.....	6
7.3 Bacterial filters.....	6
7.4 Visual inspection.....	6
7.4.1 Visual inspection equipment.....	6
7.4.2 Visual inspection of documentation.....	6
<b>8 Information supplied by the manufacturer</b> .....	<b>7</b>
8.1 General.....	7
8.2 Instructions for use.....	7
8.3 Technical description.....	7
<b>9 Marking</b> .....	<b>8</b>
9.1 Marking on outside of electrically operated central suction source equipment.....	8
9.2 Exhaust pipeline connection point.....	8
<b>10 Packaging</b> .....	<b>8</b>
<b>Annex A (informative) Types of suction systems</b> .....	<b>10</b>
<b>Annex B (informative) Dry-suction system source equipment diagram</b> .....	<b>12</b>
<b>Annex C (informative) Semi-dry-suction system source equipment diagram</b> .....	<b>13</b>
<b>Annex D (informative) Wet suction system source equipment diagram</b> .....	<b>15</b>
<b>Bibliography</b> .....	<b>17</b>

## ISO 10637:2018(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.

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)).

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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.

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