

## **Dental equipment - High- and medium-volume suction system**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 10637:2001 sisaldab Euroopa standardi EN ISO 10637:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 09.03.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 10637:2001 consists of the English text of the European standard EN ISO 10637:2000.</p> <p>This document is endorsed on 09.03.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This Standard applies to high- and medium- volume suction systems which are items of dental equipment. They are usually a integral part of a dental unit.</p>	<p><b>Scope:</b> This Standard applies to high- and medium- volume suction systems which are items of dental equipment. They are usually a integral part of a dental unit.</p>
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**ICS** 11.060.20

**Võtmesõnad:** classification systems, classifications, definition, definitions, dental equipment, dentistry, handpieces, medical equipment, medical vacuum-pipeline services, safety devices, separation processes, suction apparatus, suction devices, testing, workplace safety

**English version**

**Dental equipment –  
High- and medium-volume suction systems  
(ISO 10637:1999)**

Matériel dentaire – Systèmes  
d'aspiration à haut et moyen volume  
(ISO 10637 : 1999)

Zahnärztliche Ausrüstung – Absaug-  
systeme mit hoher und mittlerer  
Durchflussmenge (ISO 10637 : 1999)

This European Standard was approved by CEN on 2000-09-09.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Central Secretariat: rue de Stassart 36, B-1050 Brussels**

## Foreword

International Standard

ISO 10637 : 2000 Dental equipment – High- and medium-volume suction systems, which was prepared by ISO/TC 106 ‘Dentistry’ of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 55 ‘Dentistry’, the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by April 2001 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

## Endorsement notice

The text of the International Standard ISO 10637 : 1999 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative.)

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## Introduction

This International Standard contains specifications for high- and medium-volume suction systems which are used in the dental surgery as part of the dental equipment.

The aim of this International Standard is to ensure the reliable function of suction systems and the necessary safety in common usage and within normal ambient conditions.

Any item of dental equipment recommended by the manufacturer for use in connection with suction systems should not render the equipment unsafe.

## 1 Scope

This International Standard applies to high- and medium-volume suction systems which are items of dental equipment. They are usually an integral part of a dental unit.

This International Standard specifies performance and safety requirements as well as test procedures for high- and medium-volume suction systems. It also contains specifications on manufacturer's instructions, marking and packaging.

This International Standard takes priority, where applicable, over IEC 60601-1, as specified in the individual clauses of this International Standard.

This International Standard is not applicable to low-volume suction systems.

## 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 1942-4, *Dental vocabulary — Part 4: Dental equipment*.

ISO 7494, *Dental units*.

ISO 9687, *Dental equipment — Graphical symbols*.

IEC 60335-1, *Safety of household and similar electrical appliances — Part 1: General requirements*.

IEC 60601-1:1988, *Medical electrical equipment — Part 1: General requirements for safety*.

IEC 60651, *Sound level metres*.