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Third edition
2022-07

Dentistry — Stationary dental units and dental patient chairs —

Part 2: Air, water, suction and wastewater systems

*Médecine bucco-dentaire — Units dentaires fixes et fauteuils
dentaires patient —*

*Partie 2: Systèmes d'alimentation en air et en eau, d'aspiration et
d'évacuation des eaux usées*



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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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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 6, *Dental equipment*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 55, *Dentistry*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 7494-2:2015), which has been technically revised.

The main changes are as follows:

- the requirements in this document have been limited to stationary dental units;
- the requirements for connections from the stationary dental unit to dental handpieces have been added in [5.1](#);
- measurement procedures for air flow and water flow have been added in [7.2.2](#);
- requirements for treatment methods for dental unit waterline biofilm have been added in [5.3.11](#);
- the requirement for noise level for dental suction systems has been removed since that main contribution to noise comes from the cannula, which is outside of the scope of this document.

A list of all parts in the ISO 7494 series can be found on the ISO website.

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