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Dentistry — Dental units — **Part 2:** **Water and air supply**

Art dentaire — Units dentaires —

Partie 2: Alimentation en eau et en air



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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.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 7494-2 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 6, *Dental equipment*.

This first edition of ISO 7494-2, together with ISO 7494-1, cancels and replaces ISO 7494:1996, which has been technically revised.

ISO 7494 consists of the following parts, under the general title *Dentistry — Dental units*:

— *Part 2: Water and air supply*

The following part is under preparation:

— *Part 1: General requirements*

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Introduction

The requirements for water and air supply of dental units have been discussed extensively in TC 106/SC 6/WG 2, and it was concluded that the technical specifications for the water and air lines within dental units are sufficiently defined while the microbiological side of the problem is not addressed.

The formulation of criteria in order to avoid or reduce biofilm on the surfaces in water and air lines was considered difficult. Because the current technical state of the art does not provide an all-inclusive solution, no agreement could be reached. Therefore it was agreed to publish first the general technical requirements for the water and air lines as an International Standard. In the next step it is envisaged to find a solution for the microbiological problems, including evaluation criteria for controlling or removing dental waterline biofilm.