

**TECHNICAL GUIDE** 

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ICS 71.100.80

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CHEMICAL USED FOR TREATMENT OF
WATER INTENDED FOR HUMAN
CONSUMPTION - OZONE-PRODUCTION GUIDELINES FOR INSTALLATIONS AND
MINIMAL FUNCTIONAL REQUIREMENTS

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# TECHNICAL REPORT RAPPORT TECHNIQUE TECHNISCHER BERICHT

**CEN/TR 14740** 

February 2004

ICS 71.100.80

#### English version

# Chemical used for treatment of water intended for human consumption - Ozone-Production - Guidelines for installations and minimal functional requirements

Produits chimiques utilisés pour le traitement de l'eau destinée à la consommation humaine - Production d'ozone - Guide pour l'installation et les exigences minimales de fonctionnement

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Ozon

This Technical Report was approved by CEN on 17 December 2003. It has been drawn up by the Technical Committee CEN/TC 164.

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

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# CEN/TR 14740:2004 (E)

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CEN/TR 14740:2004 (E)

### **Foreword**

This document (CEN/TR 14740:2004) has been prepared by Technical Committee CEN/TC 164 "Water supply", the secretariat of which is held by AFNOR.

The status of this document as a Technical Report has been chosen because most of its content is a code of good practice about ozone equipment in particular for selection by the purchaser, for control of performance and for arbitration if ever problems occur.

#### CEN/TR 14740:2004 (E)

## Introduction

Ozone can be used as a single reagent or in conjunction with other means such as oxidants like hydrogen peroxide, or UV-light and catalysts.

In practice ozone can be produced by different methods depending of the scale of operation: electrical discharge in a feed gas containing oxygen, wet electrolytic methods, or photochemical or radiochemical irradiation technologies.



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