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## **COLOUR CODING OF TAPS AND VALVES FOR USE IN LABORATORIES**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 13792**

September 2002

ICS 01.070; 71.040.10

English version

**Colour coding of taps and valves for use in laboratories**

Code de couleur des robinets et vannes utilisés dans les  
laboratoires

Farbige Kennzeichnung von Laborarmaturen

This European Standard was approved by CEN on 1 August 2002.

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 Management Centre or to any CEN member.

This European Standard exists 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 Management Centre has the same status as the official versions.

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



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## Foreword

This document EN 13792:2002 has been prepared by Technical Committee CEN/TC 332 "Laboratory equipment", 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of an identical text or by endorsement, at the latest by March 2003, and conflicting national standards shall be withdrawn at the latest by March 2003.

Annex A is informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European Standard specifies colour codes and nomenclature for liquids, gases and vacuum and the application of these codes and nomenclature on or in the vicinity of laboratory service controls.

This European Standard does not apply to medical or healthcare facilities using medical gases from a medical supply system conforming to EN 737.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

*IUPAC Nomenclature of Inorganic Chemistry, Recommendations 1990.*

## 3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

### 3.1

#### **operating device**

means of actuating the operating or controlling mechanism of a service outlet

### 3.2

#### **remote service outlet**

outlet where the operating device (e.g. handwheel) of the valve is located separately from the service outlet

**EN 13792:2002 (E)****4 Coding****4.1 General**

The visible area of the operating devices shall be divided into three zones which, starting from the outside and working inwards, are designated zones 1, 2 and 3.

Zones 2 and 3 shall be circular. The diameter of zone 3 shall be at least 7 mm.

NOTE The ratio of the diameters of zones 2 and 3 should be 2:1.

The area of zone 1 shall be at least as large as that of zone 2.

There shall be a coding on remote outlets that corresponds to the coding on the operating device.

An example depiction of the zones is given in Figure 1.

**4.2 Colour codes****4.2.1 General**

The colours used should be as set out in Table 1.

**Table 1 — Recommended colours to be used<sup>1)</sup>**

Colour	RAL number
Black	9005
Blue	5012
Green	6001
Grey	7001
Red	3000
White	9010
Yellow	1021

The durability of the colours shall withstand the likely effects encountered during normal use.

**4.2.2 Colour codes for zone 1**

The colour codes for zone 1 shall be as follows:

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<sup>1)</sup> Colour numbers and designations are obtainable from: RAL, Information Service, Siegburger Strasse 39, D-53757 Sankt Augustin, Germany.

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