



**National Standards Authority of Ireland**

IRISH STANDARD

**I.S. EN 738-3:1999**

ICS 11.040.10  
23.060.40

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**PRESSURE REGULATORS FOR USE WITH  
MEDICAL GASES - PART 3: PRESSURE  
REGULATORS INTEGRATED WITH CYLINDER  
VALVES**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 738-3:1998/A1**

April 2002

ICS 11.040.10; 23.060.40

English version

## Pressure regulators for use with medical gases - Part 3: Pressure regulators integrated with cylinder valves

Détendeurs pour l'utilisation avec les gaz médicaux - Partie  
3: Détendeurs intégrés dans les robinets de bouteilles

Druckminderer zur Verwendung mit medizinischen Gasen -  
Teil 3: Druckminderer in Flaschenventilen

This amendment A1 modifies the European Standard EN 738-3:1998; it was approved by CEN on 4 March 2002.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant 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 amendment 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.



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

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## EN 738-3:1998/A1:2002 (E)

### Foreword

This document (EN 738-3:1998/A1:2002) has been prepared by Technical Committee CEN/TC 215 "Respiratory and anaesthetic equipment", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by October 2002, and conflicting national standards shall be withdrawn at the latest by October 2002.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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

Add to the list of medical gases:

'NO/N<sub>2</sub> mixtures (NO ≤ 1000 µl/l)'

### 2 Normative references

Add the following:

'ISO/DIS 407:2001 Small medical gas cylinders – Pin-index yoke-type valve connections'

'EN 1089-3 Transportable gas cylinders – Cylinder identification – Part 3: Colour coding'

### 3 Definitions

Add a new definition:

#### **3.31**

accuracy of flow:

difference in percent between the indicated value and the true value of the flow.'

#### **5.3.1**

Add a new Note 4:

NOTE 4 'Guidance for the selection of metallic and non-metallic materials for use with NO/N<sub>2</sub> mixtures (NO ≤ 1000 µl/l) is given in CEN Report CR 13903.'

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