

Pressure equipment - Part 2: Quantities, symbols and units

This document is a preview generated by EVS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 764-2:2012 sisaldab Euroopa standardi EN 764-2:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 764-2:2012 consists of the English text of the European standard EN 764-2:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 25.01.2012.	Date of Availability of the European standard is 25.01.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 01.060, 23.020.30

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:
Aru 10, 10317 Tallinn, Eesti; www.evs.ee; telefon 605 5050; e-post info@evs.ee

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:
Aru 10, 10317 Tallinn, Estonia; www.evs.ee; phone 605 5050; e-mail info@evs.ee

English Version

Pressure equipment - Part 2: Quantities, symbols and units

Equipements sous pression - Partie 2: Grandeurs,
symboles et unités

Druckgeräte - Teil 2: Größen, Symbole und Einheiten

This European Standard was approved by CEN on 9 December 2011.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

	page
Foreword.....	3
1 Scope	4
2 Normative references	4
3 General	4
4 Quantities, symbols and units	4

Foreword

This document (EN 764-2:2012) has been prepared by Technical Committee CEN/TC 54 "Unfired pressure vessels", 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 July 2012, and conflicting national standards shall be withdrawn at the latest by July 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 764-2:2002.

This European Standard consists of seven parts which are:

Part 1 Terminology – Pressure, temperature, volume and nominal size;

Part 2 Quantities, symbols and units;

Part 3 Definition of parties involved;

Part 4 Establishment of technical delivery conditions for metallic materials;

Part 5 Compliance and Inspection Documentation of Materials;

Part 6 Structure and content of operating instructions;

Part 7 Safety systems for unfired pressure equipment.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies the basic quantities, symbols and units to be used for pressure equipment and assemblies addressed by the European Directive 97/23/EC.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references the latest edition of the referenced document (including any amendments) applies.

ISO 80000-1, *Quantities and units – Part 1: General*

ISO 80000-2, *Quantities and units – Part 2: Mathematical signs and symbols to be used in the natural sciences and technology*

ISO 80000-3, *Quantities and units – Part 3: Space and time*

ISO 80000-4, *Quantities and units – Part 4: Mechanics*

ISO 80000-5, *Quantities and units – Part 5: Thermodynamics*

ISO 80000-11, *Quantities and units – Part 11: Characteristic numbers*

3 General

3.1 All units used for pressure equipment shall be derived from the base units of the international system of Units (SI) in accordance with ISO 80000-1, ISO 80000-2, ISO 80000-3, ISO 80000-4, ISO 80000-5, and ISO 80000-11 unless otherwise prescribed in the European Directive 97/23/EC.

3.2 The choice of the appropriate multiple (decimal multiple or sub-multiple) of unit is governed by convenience, the multiple chosen for a particular application being one which would lead to numerical values within a practical range. Therefore when indicating quantities it is recommended to choose decimal multiple or sub multiple quantities such that the resulting values are easy to handle, e.g. between 0,1 and 1 000.

4 Quantities, symbols and units

Symbols and units for the quantities used in pressure equipment shall be in accordance with Tables 1 and 2, otherwise according to ISO 80000 series for other quantities and in particular ISO 80000-5 for thermodynamic quantities.