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SANS 50286-1:1998

Edition 1 and EN amdt 1, 2, EN corr.

EN 286-1:1998

Edition 2 and amdt 1, 2, corr.

SOUTH AFRICAN NATIONAL STANDARD

**Simple unfired pressure vessels designed
to contain air or nitrogen**

Part 1: Pressure vessels for general purposes

This national standard is the identical implementation of EN 286-1:1998, amendment 1, 2 and corrigendum, and is adopted with the permission of CEN, rue de Stassart 36, B-1050 Brussels.

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Table of changes

Change No.	Date	Scope
EN amdt 1	2002	Amended to change the calculation method for reverse narrow-faced gasket flanges.
EN corr.	2002	Corrected to replace the figure on design curves for elliptical and torispherical ends with a new figure, and to replace the formula for effective gasket sealing width with a new formula.
EN amdt 2	2005	Amended to add information on requirements for peaking and annex H.

National foreword

This South African standard was approved by National Committee SABS/TC 58, *Vessels and systems under pressure*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This SANS document was published in July 2008. This SANS document supersedes SANS 50286-1:1998 (edition 1).

**Reaffirmed and reprinted in March 2014.
This document will be reviewed every five years
and be reaffirmed, amended, revised or withdrawn.**

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 286-1:1998/A2

October 2005

ICS 23.020.30

English Version

Simple unfired pressure vessels designed to contain air or nitrogen - Part 1: Pressure vessels for general purposes

Réipients à pression simples, non soumis à la flamme,
destinés à contenir de l'air ou de l'azote - Partie 1:
Réipients pour usage général

Einfache unbefeuerte Druckbehälter für Luft oder Stickstoff
- Teil 1: Druckbehälter für allgemeine Zwecke

This amendment A2 modifies the European Standard EN 286-1:1998; it was approved by CEN on 26 August 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard (EN 286-1:1998/A2:2005) has been prepared by Technical Committee CEN/TC 54 “Unfired pressure vessels”, the secretariat of which is held by BSI.

This Amendment to the European Standard EN 286-1:1998 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

This amendment incorporates requirements for peaking in a new Annex H.

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

6 Design

6.1 General

Add the following text after the final sentence:

Requirements for peaking (out-of-roundness caused by misalignment of (welded) joints or local irregularities in vessel profile) are given in Annex H.

Add annex H as follows: