

STN	Zariadenie a príslušenstvo na LPG. Environmentálne aspekty noriem CEN/TC 286.	STN P CEN/TS 16765 07 8211
------------	--	--

LPG equipment and accessories - Environmental considerations for CEN/TC 286 standards

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/15

Obsahuje: CEN/TS 16765:2015

121446

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2015
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy
rozmnžovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

ICS 23.020.30

English Version

**LPG equipment and accessories - Environmental considerations
for CEN/TC 286 standards**Équipements pour GPL et leurs accessoires -
Considérations environnementales pour les normes du
CEN/TC 286Flüssiggas-Geräte und Ausrüstungsteile -
Umweltgesichtspunkte für Normen des CEN/TC 286

This Technical Specification (CEN/TS) was approved by CEN on 15 December 2014 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, 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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Environmental aspects to be considered for systematically addressing environmental issues 6

5 Design 6

6 Procurement 7

7 Production 9

7.1 General 9

7.2 Measures to reduce environmental impact 9

8 Customer information 9

9 Packaging 10

10 Transportation 10

11 Product operation and reuse 10

11.1 Durability of the product, maintenance and repair 10

11.2 Reconditioning and reuse of equipment 10

11.3 Inspection and testing 11

11.3.1 Water 11

11.3.2 Discharges to water 11

11.3.3 Emissions to air 12

11.3.4 Discharges to soil 12

12 End of life 12

Annex A (informative) Recycling symbols 13

Bibliography 15

Foreword

This document (CEN/TS 16765:2015) has been prepared by Technical Committee CEN/TC 286 "Liquefied petroleum gas equipment and accessories", the secretariat of which is held by NSAI.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, 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.

Introduction

Protection of the environment is a key political issue in Europe and elsewhere. Protection of the environment is taken in a very broad sense.

Provisions need to be restricted to a general guidance. Limit values are specified in national laws.

It is recommended that manufacturers develop an environmental management policy. For guidance see the EN ISO 14000- series.

It has been assumed in the drafting of this Technical Specification that the execution of its provisions is entrusted to appropriately qualified and experienced people.

Some of the environmental aspects also have an implication for occupational health and safety.

1 Scope

Protection of the environment needs to be considered during the total life-cycle of a particular product, e.g. impact on the environment including expenditure of energy during all phases of its life-cycle, from mining of raw materials, production, testing, packaging, distribution, maintenance and use, end-of-life disposal and recycling of materials, etc.

This Technical Specification provides information on the environmental aspects of equipment and accessories produced for the LPG industry. The following are addressed:

- a) design;
- b) manufacture;
- c) packaging;
- d) use and operation; and
- e) disposal.

2 Normative references

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

EN 14717, *Welding and allied processes — Environmental check list*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN