



SLOVENSKI STANDARD
SIST EN 12186:2000/A1:2005
01-december-2005

Sistemi oskrbe s plinom – Plinske postaje za regulacijo tlaka za transport in distribucijo – Funkcionalne zahteve

Gas supply systems - Gas pressure regulating stations for transmission and distribution - Functional requirements

Gasversorgungssysteme - Gas-Druckregelanlagen für Transport und Verteilung - Funktionale Anforderungen

Systemes d'alimentation en gaz - Postes de détente-régulation de pression de gaz pour le transport et la distribution - Prescriptions fonctionnelles

<https://standards.iteh.ai/catalog/standards/sist/67d29161-4508-4072-aa39-25a2bbb288ea/sist-en-12186-2000-a1-2005>

Ta slovenski standard je istoveten z: EN 12186:2000/A1:2005

ICS:

23.060.40	Tlačni regulatorji	Pressure regulators
75.200	Oprema za skladiščenje nafte, naftnih proizvodov in zemeljskega plina	Petroleum products and natural gas handling equipment

SIST EN 12186:2000/A1:2005

en,fr,de

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EUROPEAN STANDARD

EN 12186:2000/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2005

ICS 23.060.40; 27.060.20; 75.200

English Version

Gas supply systems - Gas pressure regulating stations for transmission and distribution - Functional requirements

Système d'alimentation en gaz - Postes de détente-régulation de pression de gaz pour le transport et la distribution - Prescriptions fonctionnelles

Gasversorgungssysteme - Gas-Druckregelanlagen für Transport und Verteilung - Funktionale Anforderungen

This amendment A1 modifies the European Standard EN 12186:2000; it was approved by CEN on 7 July 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.

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

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

EN 12186:2000/A1:2005 (E)**Foreword**

This European Standard (EN 12186:2000/A1:2005) has been prepared by Technical Committee CEN/TC 234 "Gas supply", the secretariat of which is held by DIN.

This Amendment to the European Standard EN 12186:2000 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2006, and conflicting national standards shall be withdrawn at the latest by February 2006.

This amendment replaces 11.3 of EN 12186:2000.

This amendment is meant to give guidance to the manufacturers concerning maintenance aspects which have to be considered in their operating manuals in order to fulfil the PED requirements.

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.

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11.3 Maintenance

It is recognised that a number of different maintenance strategies are available. A structured decision-making process shall be used to identify the optimum maintenance requirements.

It should also be recognised that optimum maintenance requirements are dependent on a number of factors, including the operating conditions and duty.

Strategies may be simple and straightforward or very complex involving the use of sophisticated mathematical models based on a study of failure modes and effects analysis and reliability data. The strategy may consider the performance of individual key components in the installation.

NOTE The models derived may be used to optimise the frequency of functional checks, determine a parts replacement programme etc.

The maintenance should follow an approach which utilizes any one or a combination of philosophies, such as:

- condition based maintenance;
- maintenance at regular intervals;
- breakdown maintenance.

All components of the gas pressure regulating station shall be subjected to maintenance to ensure that they:

- offer sufficient reliability for the purpose for which they are used;
- are in sound mechanical condition, with no leaks;
- are set at the correct pressure; [SIST EN 12186:2000/A1:2005](https://standards.iteh.ai/catalog/standards/sist/67d29161-4508-4072-aa39-25a2bb288ea/sist-en-12186-2000-a1-2005)
- are correctly installed and protected against dirt, liquids, freezing and other effects which may impair their function.

Maintenance activities and irregularities shall be recorded. Irregularity is defined as any malfunction of the system.

EXAMPLE Unintentional tripping or failure of the pressure control system.

If there are any grounds for suspecting that the pressure may be too high or too low the necessary measures shall be taken to rectify the fault.