

**Reoveepumplad. Ehitamise ja katsetamise
põhimõtted. Osa 4: Fekaalivabale heitvee ja reovee
tagasilöögiklapid**

Wastewater lifting plants for buildings and sites -
Principles of construction and testing - Part 4: Non-
return valves for faecal-free wastewater and
wastewater containing faecal matter

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12050-4:2001 sisaldab Euroopa standardi EN 12050-4:2000 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 18.05.2001 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 13.12.2000.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 12050-4:2001 consists of the English text of the European standard EN 12050-4:2000.

This standard is ratified with the order of Estonian Centre for Standardisation dated 18.05.2001 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 13.12.2000.

The standard is available from Estonian standardisation organisation.

ICS 91.140.80

Võtmesõnad: principles of constr, real estates, reflux control, sample surveys, sewage, sewage disposal, sewage lifting facilities, specification (approval), specifications, surveillance (approval), surveys, testing, testing principles, waste-water drainage, water practice

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English version

**Wastewater lifting plants for buildings and sites –
Principles of construction and testing**

**Part 4: Non-return valves for faecal-free wastewater
and wastewater containing faecal matter**

Stations de relevage d'effluents pour
les bâtiments et terrains – Principes de
construction et d'essai – Partie 4:
Dispositif anti-retour pour eaux rési-
duaires contenant des matières féca-
les et exemptes de matières fécales

Abwasserhebeanlagen für die Gebäu-
de- und Grundstücksentwässerung –
Bau- und Prüfgrundsätze – Teil 4:
Rückflussverhinderer für fäkalienfreies
und fäkalienhaltiges Abwasser

This European Standard was approved by CEN on 2000-12-01.

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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.

The European Standards exist 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.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 165 "Wastewater engineering", the secretariat of which is held by national standard body.

This part of this European Standard for wastewater lifting plants for buildings and sites was prepared by Task Group 4 "Wastewater lifting plants" of Working Group WG 21 "Drainage systems within buildings" of CEN Technical Committee TC 165 "Wastewater engineering".

This is the fourth part of a total of four parts of the standard series EN 12050 with the following titles:

- Part 1: Lifting plants for wastewater containing faecal matter
- Part 2: Lifting plants for faecal-free wastewater
- Part 3: Lifting plants for wastewater containing faecal matter for limited applications
- Part 4: Non-return valves for faecal-free wastewater and wastewater containing faecal matter

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 June 2001, and conflicting national standards shall be withdrawn at the latest by September 2002.

This European Standard 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).

For relationship with EU Directive(s), see informative Annex Z, which is an integral part of this standard.

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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Annex A is normative. The annexes B, C and Z are informative.

1 Scope

This part of this European Standard applies to non-return valves used in conjunction with faecal and faecal-free wastewater lifting plants. This part of the standard contains general requirements, basic construction and testing principles together with information on materials and conformity evaluation.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1085:1997

Wastewater treatment – Vocabulary

prEN 12050-1:2000

Wastewater lifting plants for buildings and sites – Principles of construction and testing – Part 1: Lifting plants for wastewater containing faecal matter

EN 12050-2:2000

Wastewater lifting plants for buildings and sites – Principles of construction and testing – Part 2: Lifting plants for faecal-free wastewater

EN 12050-3:2000

Wastewater lifting plants for buildings and sites – Principles of construction and testing – Part 3: Lifting plants for wastewater containing faecal matter for limited applications

EN 12639:2000

Liquid pumps and pump units - Noise test code - Grade 2 and grade 3 of accuracy