

## **Irrigation techniques - Localised irrigation - Hydraulic evaluation**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15097:2006 sisaldab Euroopa standardi EN 15097:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 21.12.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15097:2006 consists of the English text of the European standard EN 15097:2006.</p> <p>This document is endorsed on 21.12.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> The purpose of this Standard is to describe a localised irrigation hydraulic system and to specify a method to determine the uniformity in water distribution for each installation to be evaluated in the field. This document applies to localised irrigation systems. It does not cover management practices. This paper defines the methodology to be applied in the farm localised irrigation system evaluation.</p>	<p><b>Scope:</b> The purpose of this Standard is to describe a localised irrigation hydraulic system and to specify a method to determine the uniformity in water distribution for each installation to be evaluated in the field. This document applies to localised irrigation systems. It does not cover management practices. This paper defines the methodology to be applied in the farm localised irrigation system evaluation.</p>
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**Võtmesõnad:**

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English Version

## Irrigation techniques - Localised irrigation - Hydraulic evaluation

Techniques d'irrigation - Irrigation localisée - Evaluation  
hydrauliqueBewässerungsverfahren - Örtliche Bewässerung -  
Hydraulische Festlegungen

This European Standard was approved by CEN on 23 September 2006.

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 Central Secretariat 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 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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## Foreword

This document (EN 15097:2006) has been prepared by Technical Committee CEN/TC 334 "Irrigation Techniques", the secretariat of which is held by AENOR.

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 May 2007, and conflicting national standards shall be withdrawn at the latest by May 2007.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## 1 Scope

The purpose of this Standard is to describe a localised irrigation hydraulic system and to specify a method to determine the uniformity in water distribution for each installation to be evaluated in the field.

This document applies to localised irrigation systems. It does not cover management practices.

This paper defines the methodology to be applied in the farm localised irrigation system evaluation.

## 2 Normative references

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

EN 13635:2001, *Irrigation techniques – Localised irrigation systems – Terminology and data to be supplied by the manufacturer*

## 3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 13635:2001 and the following apply.

**3.1 emission uniformity**  
coefficient expressed as a percent relating the minimum rate of discharge to the average rate of discharge per plant

**3.2 flow rate uniformity**  
coefficient expressed as a percent relating to the minimum flow rate of an emitting device to the average flow rate of the emitting device

## 4 Basic data for the evaluation

### 4.1 General data of the farm

The following data should be known before the evaluation:

- a) situation plan;
- b) topographical map;
- c) owner;
- d) farm name;
- e) location;
- f) date of evaluation.