

**Veearvestid külmale joogiveele ja kuumale veele. Osa 4:
Standardis ISO 4064-1 käsitlemata mitte-metrooloogilised
nõuded**

**Water meters for cold potable water and hot water - Part
4: Non-metrological requirements not covered in ISO
4064-1 (ISO 4064-4:2014)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 4064-4:2014 sisaldab Euroopa standardi EN ISO 4064-4:2014 inglisekeelset teksti.	This Estonian standard EVS-EN ISO 4064-4:2014 consists of the English text of the European standard EN ISO 4064-4:2014.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

Water meters for cold potable water and hot water - Part 4: Non-metrological requirements not covered in ISO 4064-1 (ISO 4064-4:2014)

Compteurs d'eau potable froide et d'eau chaude - Partie 4:
Exigences non métrologiques non couvertes par l'ISO
4064-1 (ISO 4064-4:2014)

Wasserzähler zum Messen von kaltem Trinkwasser und
heißem Wasser - Teil 4: Nichtmetrologische Anforderungen,
die nicht Gegenstand von ISO 4064-1 sind (ISO 4064-
4:2014)

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Foreword

This document (EN ISO 4064-4:2014) has been prepared by Technical Committee ISO/TC 30 "Measurement of fluid flow in closed conduits" in collaboration with Technical Committee CEN/TC 92 "Water meters" the secretariat of which is held by SNV.

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of an identical text or by endorsement, at the latest by December 2014, and conflicting national standards shall be withdrawn at the latest by June 2017.

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This document supersedes EN 14154-1:2005+A2:2011.

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Endorsement notice

The text of ISO 4064-4:2014 has been approved by CEN as EN ISO 4064-4:2014 without any modification.

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Water meters for cold potable water and hot water —

Part 4:

Non-metrological requirements not covered in ISO 4064-1

1 Scope

This part of ISO 4064 applies to water meters used to meter the volume of cold potable water and hot water flowing through a fully charged, closed conduit. These water meters incorporate devices which indicate the integrated volume.

This part of ISO 4064 specifies technical characteristics and pressure loss requirements for meters for cold potable water and hot water. It applies to water meters which can withstand:

- a) a maximum admissible pressure (MAP) equal to at least 1 MPa¹⁾ [0,6 MPa for meters for use with pipe nominal diameters (DNs) ≥ 500 mm];
- b) a maximum admissible temperature (MAT) for cold potable water meters of 30 °C;
- c) a MAT for hot water meters of up to 180 °C, depending on class.

In addition to meters based on mechanical principles, this part of ISO 4064 also applies to water meters based on electrical or electronic principles, and to water meters based on mechanical principles incorporating electronic devices, used to meter the volume flow of hot water and cold potable water. It also applies to electronic ancillary devices. As a rule ancillary devices are optional. However, national or international regulations may make some ancillary devices mandatory in relation to the utilization of the water meter.

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.

ISO 228-1, Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation

ISO 4064-1|OIML R 49-1, Water meters for cold potable water and hot water — Part 1: Metrological and technical requirements

ISO 7005-2, *Metallic flanges — Part 2: Cast iron flanges*

ISO 7005-3, *Metallic flanges — Part 3: Copper alloy and composite flanges*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4064-1|OIML R 49-1 apply.

NOTE Many of the definitions used in this part of ISO 4064 conform to ISO/IEC Guide 99:2007|OIML V 2-200:2012,^[1] OIML V 1:2013,^[2] and OIML D 11.^[3]

1) 1 MPa = 10 bar