

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

पूर्ण भरे बहाव वाले वृत्ताकार अनुप्रस्थ काट वाले कॉन्डुइट में प्रविष्ट दाब विभेदी
युक्तियों द्वारा द्रव प्रवाह का मापन

भाग - 1 सामान्य सिद्धांत एवं अपेक्षाएं

(आई एस 14615 (भाग - 1) का पुनरीक्षण)

Draft Indian Standard

**Measurement of Fluid Flow by Means of Pressure Differential
Devices Inserted In Circular CrossSection Conduits Running Full**

Part 1 : General Principles And Requirements

(Second revision of IS 14615 (Part -1))

**Hydrometry Sectional
Committee, WRD 01**

**Last Date for comments:
31/05/2023**

FOREWORD

(Adoption clauses of the foreword will be added later)

This Indian Standard (*first revision*) which is identical with ISO 5167-1 : 2003 'Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full Part 1 : General principles and requirements' issued by the International Organization for Standardization (ISO).

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following: a) Wherever the words 'International

Standard' appear referring to this standard, they should be read as 'Indian Standard'. b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their places, are listed below along with their degree of equivalence for the editions indicated:

| <i>International Standard</i> | <i>Corresponding Indian Standard</i> | <i>Degree of Equivalence</i> |
|--|---|------------------------------|
| ISO 5167-2 : 2003 Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 2 : Orifice plates | IS 14615 (Part 2) : 2018 Measurement of fluid flow by Means of pressure differential devices inserted in circular cross section conduits running full — Part 2 : Orifice plates | Identical |
| ISO 5167-3 : 2003 Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 3 : Nozzles and Venturi nozzles | IS 14615 (Part 3) : 2018 Measurement of fluid flow by Means of pressure differential Devices inserted in circular cross section conduits running full — Part 3 : Nozzles and Venturi nozzles | Identical |

This Indian Standard is confirming the sustainable development goals:

1. Good health and well being
2. Climate action
3. Affordable and clean energy
4. Industry, innovation and infrastructure

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.