PROFORMA FOR ADOPTION OF DRAFT INDIAN STANDARD

BUREAU OF INDIAN STANDARDS

Subject: Approval of Draft Indian Standard

Sl. No.	Doc. No.	IS No.	TITLE
1	WRD/01/20347	IS 14973 : 2024 ISO 3966 : 2020	Measurement of Fluid Flow in Closed Conduits — Velocity Area Method Using Pitot Static Tube (*Second Revision*)
2	WRD/01/22080	IS 14615 (Part 2) : 2024 ISO 5167-2 : 2022	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted in Circular Cross Section Conduits Running Full Part 2 Orifice Plates (*First Revision*)
3	WRD/01/22063	IS 14615 (Part 1) : 2024 ISO 5167-1 : 2022	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted in Circular Cross Section Conduits Running Part 1 General Principles and Requirements (*Second Revision*)

In accordance with Part II, sub-rule (2) of rule 22 of BIS Rules 2018, I enclose a copy of the draft Indian Standard mentioned above finalized by the Sectional Committee WRD 01 and its Chairperson, in the light of comments received from important stake holders.

It is requested that this note and its enclosures may be returned to this office as early as possible recording your approval of the above draft Indian Standard.

Encl.: As above.

5/11/2024.

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Scientist E/ Director and Head
(Water Resources Department)

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Chairperson, Water Resources Division Council
BIS U.O. No. WRD 01/T-40, T-87 and T-37
Dated:

APPROVED

(Chairperson)
Water Resources Division Council

राकेश कुमार वर्मा/Rakesh Kumar Verma
अध्यक्ष/Chairman
केन्द्रीय जल आयोग/Central Water Commission
जल शक्ति मंत्रालय/Ministry of Jal Shakti
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भारतीय मानक
Indian Standard

IS 14615 (Part 2) : 2024
ISO 5167-2 : 2022

पूर्ण भरे बहाव वाली वृत्ताकार अनुप्रस्थ काट की वाहिकाओं में विभेदक दबाव उपकरणों के माध्यम से द्रव प्रवाह मापन

भाग 2 ऑरिफ़िस प्लेट

(पहला पुनरीक्षण)

Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted in Circular Cross Section Conduits Running Full

Part 2 Orifice Plates

(First Revision)

ICS 17.120.10

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NATIONAL FOREWORD

This Indian Standard (Part 2) (First Revision) which is identical to ISO 5167-2 : 2022 'Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 2: Orifice plates' issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendation of the Hydrometry Sectional Committee and approval of the Water Resources Division Council.

This standard was first published in 2018 based on ISO 5167-2 : 2003. This revision has been undertaken to align it with the latest version of ISO 5167-2 : 2022.

This standard is being published in five parts. Other parts in the series are:

Part 1 General principles and requirements

Part 3 Nozzles and venturi nozzles

Part 4 Venturi tubes

Part 5 Cone meters

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 especially drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'; and

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 to certain International Standards appears for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their place, are listed below along with their degree of equivalence for the edition indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 5167-1 : 2022 Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 1: General principles and requirements	IS 14615 (Part 1) : 2018/ 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 (*first revision*)	Identical
ISO 5168 : 2005 Measurement of fluid flow — Procedures for the evaluation of uncertainties	IS 17288 : 2021/ISO 5168 : 2005 Measurement of fluid flow — Procedures for evaluation of uncertainties	Identical

(*Continued on third cover*)

(*Continued from second cover*)

The Committee responsible for the preparation of this standard has reviewed the provisions of the following ISO/IEC standard and has decided that they are acceptable for use in conjunction with this standard:

International Standard	*Title*
ISO 4006	Measurement of fluid flow in closed conduits — Vocabulary and symbols
ISO/IEC Guide 98-3 : 2008	Uncertainty of measurement — Part 3: Guide to the expression of uncertainty in measurement (GUM :1995)

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.