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/01/22064	IS 14615 (Part 4)	Measurement of Fluid Flow by Means of Pressure Differential Devices inserted in Circular Cross Section Conduits Running Full Part 4 Venturi Tubes (*First 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.

Dushyant Prajapati 25/10/2024

Dushyant Prajapati
Scientist E/ Director and Head
(Water Resources Department)
दुष्यन्त प्रजापति/DUSHYANT PRAJAPATI
वैज्ञानिक 'ई'/निदेशक एवं प्रमुख (जल संसाधन विभाग)
Sc. 'E'/Director & Head (Water Resources Deptt.)
भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय
Ministry of Consumer Affairs, Food & Public Distribution
भारत सरकार/Government of India
9, बहादुरशाह ज़फर मार्ग, नई दिल्ली-110002
9, Bahadur Shah Zafar Marg, New Delhi-110002

Chairperson, Water Resources Division Council
BIS U.O. No. WRD 01/T-89
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
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
Deptt. of Water Resources, RD & GR
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi

भारतीय मानक
Indian Standard

IS 14615 (Part 4) : 2024
ISO 5167-4 : 2022

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

भाग 4 वेन्चुरी नलिकाएँ

(पहला पुनरीक्षण)

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

Part 4 Venturi Tubes

(First Revision)

ICS 17.120.10

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मानक भवन, 9 बहादुर शाह ज़फर मार्ग, नई दिल्ली - 110002
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI - 110002
www.bis.gov.in www.standardsbis.in

October 2024 Price Group 11

Hydrometry Sectional Committee, WRD 01

NATIONAL FOREWORD

This Indian Standard (Part 4) (First Revision) which is identical to ISO 5167-4 : 2022 'Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 4 : Venturi tubes' 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 approved of the Water Resources Division Council.

This standard was first published in 2018 based on ISO 5167-4 : 2003. This revision has been undertaken to align it with the latest version of ISO 5167-4 : 2022.

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

Part 1 General principles and requirements
Part 2 Orifice plates
Part 3 Nozzles and venturi nozzles
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 particularly 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 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 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

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.