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British Standard

Measurement of fluid flow in closed conduits

Part 2. Velocity area methods

Section 2.3 Methods of flow measurement in swirling or asymmetric flow conditions in circular ducts by means of current-meters or Pitot static tubes

[ISO title : Measurement of fluid flow in closed conduits — Velocity area methods of
flow measurement in swirling or asymmetric flow conditions in circular ducts by means of
current-meters or Pitot static tubes]

Mesure de débit des fluides dans les conduites fermées

Partie 2. Méthodes d'exploration du champ des vitesses

Section 2.3 Méthodes de mesure de débit dans les conduites circulaires
dans le cas d'un écoulement giratoire ou dissymétrique au moyen de
moulinets ou de tubes de Pitot doubles

Durchflußmessung in geschlossenen Rohrleitungen

Teil 2. Geschwindigkeitsbereichverfahren

Abschnitt 2.3 Verfahren zur Messung von Strömungen in drallbehafteten
oder asymmetrischen Kreisrohren mit Hilfe von Meßflügeln oder Pitot-Sonden

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National foreword

This British Standard has been prepared under the direction of the Industrial-process Measurement and Control Standards Committee and is identical with ISO 7194 - 1983 'Measurement of fluid flow in closed conduits — Velocity area methods of flow measurement in swirling or asymmetric flow conditions in circular ducts by means of current-meters or Pitot static tubes', published by the International Organization for Standardization (ISO).

Terminology and conventions. The text of the international standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words 'International Standard' appear, referring to this standard, they should be read as 'British Standard'.

Cross-references

International standards	Corresponding British Standards
ISO 3455 - 1976	BS 3680 Methods of measurement of liquid flow in open channels Part 8C : 1980 Calibration of rotating-element current-meters in straight open tanks (Identical)
ISO 3966 - 1977	BS 1042 Measurement of fluid flow in closed conduits Section 2.1 : 1983 Method using Pitot static tubes (Identical)
ISO 4006 - 1977	BS 5875 : 1980 Glossary of terms and symbols for measurement of fluid flow in closed conduits (Identical)
ISO 5168 - 1978	BS 5844 : 1980 Methods of measurement of fluid flow : estimation of uncertainty of a flow rate measurement (Identical)

The Technical Committee has reviewed the provisions of ISO/TR 3313 and ISO 3354, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

Compliance with a British Standard does not of itself confer immunity from legal obligations.