

ICS 17.120.10

CCS N 12



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/Z 33875-2017

Guidelines for the use of GB/T 2624-2006

Issued on: July 12, 2017

Implemented on: February 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

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Foreword

This instructional document has been drafted in accordance with the rules given in GB/T 1.1-2009.

This guidance document uses the translation method equivalent to ISO /T R9464.2008, "ISO 5167-2003, User Guide".

My documents related to the consistency of normative references in this document are as follows.

--- GB/T 17611-1998 Measurement of fluid flow in closed conduits Terms and symbols (ISO 4006.1991, IDT)

--- GB/T 26801-2011 Fluid flow in closed pipes Connection of pressure signal transmission between primary and secondary units

Act (ISO 2186.2007, IDT)

The following editorial changes have been made to this technical document.

--- Change the file name to "GB/T 2624-2006 User Guide".

This guidance document corrects editorial errors in ISO /T R9464.2008.

--- 6.3.5f) Refer to 6.1.9 of GB/T 2624.1-2006 to refer to its 7.1.7;

--- Figure 16, Figure C.7, Figure C.8, the orifice plus two vertical lines;

--- Figure A.1 ~ Figure A.4 flow chart, the criteria En plus absolute symbols, changed to | En |.

This guidance document is proposed by China Machinery Industry Federation.

This Guidance Document is governed by the National Technical Committee for Measurement, Control and Automation of Industrial Processes (SAC/TC124).

The guiding technical document is drafted by Shanghai Institute of Industrial Automation

Instrumentation.

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Company, Shenyang North Star Instrument Manufacturing Co., Ltd., Tianxin Instrument Group Co., Ltd., Tianjin billion Central Automation Instrumentation Technology Co., Ltd., Tianjin

Shinco Complete Instrument Co., Ltd., Zhejiang Cangnan Instrument Group Co., Ltd.

1 Scope

This Guidance Document gives guidance on the use of GB/T 2624-2006 (all parts). GB/T 2624-2006 is a circle

The pressure drop caused by the contraction in the shape pipe is based on the national standard for measuring the flow (see 5.1 of GB/T 2624.1-2006). It is based on traffic measurement

The amount of theory and experimental work carried out a series of rules and requirements.

The details of the range see GB/T 2624.1-2006 Chapter 1. This document applies to the definition and symbols see GB/T 2624.1-

2006 Chapter 3, Chapter 4.

GB/T 2624.1-2006 and this document do not discuss the theoretical background details, the content can refer to other related to the fluid flow of teaching

Book.

According to the provisions and requirements of GB/T 2624.1-2006, the uncertainty of the flow measurement can be achieved to about 1% of the calculated value of the flow.

Before selecting the most suitable type of differential pressure device for a particular application, consider each of the types given in GB/T 2624-2006 (Parts 2 to 4)

Limit the use of a device. Parts 2 to 4 also serve as a basis for preliminary design of the metrology system.

GB/T 2624-2006 (parts 2 to 4) gives the detailed design, manufacture and final inspection necessary information.

GB/T 2624.1-2006 does not include secondary devices, but Chapter 6 of this document

made a normative reference to ISO 2186.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2624.1-2006 Measurement of full pipe fluid flow using differential pressure devices installed in circular sectioned pipes - Part 1. General

Principles and requirements (ISO 5167-1:2003, IDT)

GB/T 2624.2-2006 Measurement of full pipe fluid flow using a differential pressure device installed in a circular sectioned pipe - Part 2 - Orifice

(ISO 5167-2:2003, IDT)

GB/T 2624.3-2006 Manifold fluid flow measurement using a differential pressure device mounted in a circular sectioned pipe - Part 3. Nozzle

And Venturi nozzle (ISO 5167-3:2003, IDT)

GB/T 2624.4-2006 Manifold fluid flow measurement using differential pressure devices installed in circular sectioned pipes - Part 4 Venturi

In tube (ISO 5167-4:2003, IDT)

ISO 2186 Measurement of fluid flow in closed conduits Connection of pressure signals between primary and secondary units (Fluid

flow in closed conduits - Connections for pressure signal transmissions between primary and secondary

elements

ISO 4066 closed pipe fluid flow measurement terms and symbols

(Measurement of fluid flow in closed con-

duits - Vocabulary and symbols)

ISO /T R3313.1998 Measurement of Fluid Flow in Closed Pipes Flow Pulse Effects on Flow Measuring Instruments (Meas-

urement of fluid flow in closed conduits - Guidelines on the effects of flow pulsations on flow-measurement instruments)

3 Terms and definitions

ISO 4006 defined terms and definitions apply to this document.

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