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Measurement methods of pump discharge

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Society of Industrial Machinery Manufacturers (JSIM)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS B 8302** : 2002), which has been technically revised.

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Measurement methods of pump discharge

1 Scope

This Japanese Industrial Standard specifies the methods for measuring the pump discharge¹⁾.

Note ¹⁾ Volume of liquid discharged per unit time from the pump.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B ′	7551	Variable area flowmeters
JIS B′	7554	Electromagnetic flowmeters
JIS B 8	8301	<i>Rotodynamic pumps — Hydraulic performance acceptance tests — Grades 1, 2 and 3</i>
JIS Z 8	3762-1	<i>Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 1 : General principles and requirements</i>
JIS Z 8	3762-2	<i>Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 2 : Orifice plates</i>
JIS Z 8	3762-3	<i>Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 3 : Nozzles and Venturi nozzles</i>
JIS Z 8	3762-4	<i>Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 4 : Venturi tubes</i>

JIS Z 8765 Method of flow measurement by turbine meters

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS B 8301** apply.

4 Types of measurement method

The pump discharge is measured by one of the following methods.

The methods by means of weirs, restriction devices and measuring instruments shall be applied to the measurement of constant flow rate of clean, cold water specified in