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

中华人民共和国行业标准

JB/T 8091—1998
Replace JB/T 8091—95

Testing methods for screw pumps

螺杆泵试验方法

Issued on March 19, 1998

Implemented on July 01, 1998

Issued by the Ministry of Machine Building of the People's Republic of China

Foreword

This Standard is revision of JB/T 8091-95 *Testing methods for screw pumps*.

Following contents have been revised and supplemented in this Standard:

- Test items;
- Stipulations on total reflux pressure of safety valve;
- Stipulations on cavitation test;
- Related articles on test conditions;
- Related contents on calculation and conversion of performance parameter;
- Record list of performance testing in annex A.

This Standard will replace JB/T 8091-95 since implementation date.

Annex A, and B of this Standard are informative annex.

This Standard is proposed and under the jurisdiction of National Technical Committee on Pumps of Standardization Administration of China.

The responsible drafting organization is Tianjin Pump Industry Company Ltd.

The chief drafting staff of this standard includes Wang Jinlai and Zhao Kuile.

Testing methods for screw pumps

1 Scope

This Standard specifies the test methods for screw pumps.

This standard is applicable to the product test of single-screw pump, double-screw pump, three-screw pump, and five-screw pump (hereinafter referred to as pump) in manufacturing plant.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 265-88 Petroleum products-Determination of kinematic viscosity and calculation of dynamic viscosity

GB 1032-85 Test procedure for three-phase induction motors

GB 1311-89 Test procedure for direct current machines

GB/T 3214-1991 Methods for measurement of capacity of pump

GB 3216-89 Test methods for centrifugal, mixed flow axial and regenerative pumps

JB/T 8097-95 Methods of measuring and evaluating vibration of pumps

JB/T 8098-95 Methods of measuring and evaluating noise of pumps

3 Symbol, name and unit

The symbols, names and units used in this standard are as shown in Table 1,



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