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

GB/T 33925.1-2017

**Liquid pumps and installation -- General terms, definitions,
quantities, letter symbols and units -- Part 1: Liquid pumps**

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2.1 Common definitions

Foreword

GB/T 33925 "liquid pumps and their devices common terms, definitions, quantities, characters and units" is divided into the following two parts.

--- Part 1. Liquid pump;

--- Part 2. Pump system.

This section GB/T 33925 Part 1.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO 17769-1:2012 "liquid pumps and their devices common terms, definitions, quantities, characters and units

Part 1. Liquid pump. "

For ease of use, this section made the following editorial changes.

--- In the term "type number", an increase of "Note 4" gives the formula for the number of our formula (see 2.2.8.1);

--- In the term "specific speed", an increase of "Note 6" gives the formula for calculating the specific speed of our country (see 2.2.8.2);

--- In the term "cavitation than the speed", an increase of "Note 6" gives the calculation of cavitation than the speed of the formula (see 2.2.8.3);

--- In the term "cavitation ratio speed", the addition of "Note 7", shows the relationship between type and speed (see 2.2.8.3).

This part is proposed by China Machinery Industry Federation.

This part of the National Pump Standardization Technical Committee (SAC/TC211) centralized.

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the company.

1 Scope

This section GB/T 33925 defines the transmission medium for the liquid rotary pump, positive displacement pump and its related terms, characters and unit. This section applies to device designers, manufacturers, operators and factory makers understanding and communication. This section adopts international

Institutions, but other legal units can also be used.

This section applies only to flow and lift is positive conditions.

This section does not apply to rotary power pumps, displacement pumps and their components with terms, characters and units.

For symbols and definitions conforming to ISO 80000-1, where possible, further explanation may be given in the appropriate section of this section. for

Consistency, this section also gives some differences note.

2 Terms and definitions

The following terms and definitions apply to this document.

Note. The definitions given in this section first show the most common expressions for frequently used variables after they have been placed in a quantity. Use the symbols and angles given

We can compose other variables and deduce the corresponding symbols. For example, "work" and "design" prefix also apply to the definition of volume.

2.1.1 General Terms

2.1.1.1

Pump

Mechanics for transporting liquids, usually including the inlet and outlet flanges and shaft ends.

2.1.1.2

Pump unit pumpunit

The overall mechanics, including the pump (2.1.1.1) and drive (2.1.17.23), as well as

transmission parts, base and other auxiliary equipment.

2.1.1.3

Device instalation

In order to meet the requirements of use, the piping, supports, bases, controls, drives, etc. connected to the pump or pump unit (2.1.1.2)

System layout.

2.1.1.4

System

The parts of the device (2.1.1.3), together with the pump (2.1.1.1), determine the performance of the device.

2.1.1.5

Conditions

All parameters that affect the operation and performance of the system due to the application environment and the transport of liquids.

Example. Temperature and pressure.