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**Program of Pattern Evaluation of Vortex Precession Flowmeters
(English Translation)**

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Introduction

This type of evaluation outline is developed according to the needs of the precession vortex flowmeter type evaluation work.

Work is to follow the scientific, operational principles, according to JJF 1015-2014 "measuring instrument type evaluation General specification ", JJF 1016-2014" measuring instrument type evaluation outline preparation guidelines "requirements, according to GB/T 2423.1 "Environmental testing of electric and electronic products - Part 2. Test methods - Test A. Low temperature", GB/T 2423.2 "Electrotechnical Environmental testing of electronic products - Part 2. Test methods. Test B. High temperature, GB/T 2423.3 "Electrical and electronic Product environmental testing - Part 2. Test methods Cab. Constant damp heat test method, GB/T 2423.10 Industrial products - Environmental testing - Part 2. Test methods - Test Fc. Vibration (sine), GB/T 17626.2 Magnetic compatibility test and measurement technology Electrostatic discharge immunity test ", GB/T 17626.3" Electromagnetic compatibility test and Measurement technology Radio frequency electromagnetic field radiation immunity test ", GB/T 17626.4" Electromagnetic compatibility test and measurement technology Electrical fast transient burst immunity test ", GB/T 17626.5" Electromagnetic compatibility test and measurement technology Surge (Impact) immunity test ", GB/T 17626.11" Electromagnetic compatibility test and measurement technology Voltage sags, short time Interrupt and voltage changes in the immunity test ", combined with China's precession vortex flowmeter technology and industry status quo to develop.

The outline for the first release.

Rotary vortex flowmeter type evaluation outline

1 Scope

This type of evaluation outline for classification code for the 12181000 of the precession vortex flowmeter (hereinafter referred to as flow meter) the type of evaluation.

2 reference file

This specification refers to the following documents.

JQF1004 flow meter noun terms and definitions GB/T 2423.1 Environmental testing for electric and electronic products - Part 2. Test methods - Test A. Low temperature GB/T 2423.2 Environmental testing for electric and electronic products - Part 2. Test methods - Test B. High temperature GB/T 2423.3 Environmental testing for electric and electronic products - Part 2. Test methods - Test Cab. constant humidity Thermal test method GB/T 2423.10 Environmental testing for electric and electronic products - Part 2. Test methods - Test Fc. Vibration (positive) string) GB 4208 enclosure protection class (IP code) Electromagnetic compatibility - Test and measurement techniques - Electrostatic discharge immunity test GB/T Electromagnetic compatibility - Testing and measurement techniques - Radiofrequency electromagnetic field radiation immunity test GB/T GB/T 17626.4 Electromagnetic compatibility test and measurement techniques Electrical fast transient burst immunity test GB/T 17626.5 Electromagnetic compatibility test and measurement technology Surge (impact) immunity test GB/T 17626.11 Electromagnetic compatibility test and measurement technology Voltage sags, short interruptions and voltage variations Immunity test where the date of the reference documents, only the date of the version of the application of this specification; those who do not note the date of the reference file, the latest edition (including all modifications) applies to this specification.

3 terminology

In addition to the terms and definitions of JJF 1004, this specification uses the following terms.

3.1 Piezoelectric Sensors piezoelectricsensor Sensitive elements that detect vortex precession frequencies.

3.2 body body of the body Install the vortex generator, piezoelectric sensors and rectifiers and other components, and with the contraction and diffusion section of the pipe section.

3.3 K coefficient K-Coefficient when the volume of fluid flows through the flow meter, the number of pulses generated by the flowmeter.

3.4 standard volume flow normalized volumetricflowrate A volume flow rate of 20 ° C and a pressure of 101.325 kPa.