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PEOPLE'S REPUBLIC OF CHINA

JJF 1810-2020

Calibration Specification for Medical Suction Equipment

医用吸引器校准规范

(English Translation)

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9 Recalibration interval (5)

Appendix A Calibration Record Format of Medical Suction Apparatus (6)

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Appendix C Example of Uncertainty Evaluation of the Error of the Negative Pressure of the Medical Suction Apparatus (8)

Introduction

JJF 1001-2011 "General Measurement Terms and Definitions", JJF 1008-2008 "Pressure Measurement Terms and Definitions" ", JJF 1059.1-2012 "Evaluation and Expression of Measurement Uncertainty", JJF 1071-2010 "National Metrology Calibration the Rules for the Compilation of Specifications together constitute a basic series of specifications that support the formulation of this specification.

This specification also refers to JJG52 "Elastic element type general pressure gauge, pressure vacuum gauge and vacuum gauge", YY0636.1-2008 "Medical Suction Equipment Part 1: Safety Requirements for Electric Suction Equipment", YY0636.2-2008 "Medical suction equipment Part 2: Manually driven suction equipment", YY0636.3-2008 "Medical suction equipment Part 3: Suction equipment powered by negative pressure or pressure source" and other technical documents.

This specification is released for the first time.

Calibration Specification for Medical Suction Apparatus

1 Scope

This specification is applicable to the calibration of medical electric suction devices and artificially driven suction devices (hereinafter referred to as suction devices).

2 Reference documents this specification refers to the following documents.

JJG52 elastic element type general pressure gauge, pressure vacuum gauge and vacuum gauge JJF 1008-2008 Pressure measurement terms and definitions YY0636.1-2008 Medical suction equipment Part 1: Safety requirements for electric suction equipment YY0636.2-2008 Medical suction equipment Part 2: Manually driven suction equipment YY0636.3-2008 Medical suction equipment Part 3: Suction equipment powered by negative pressure or pressure source for dated reference documents, only the dated version applies to this specification; for undated references the latest version (including all amendments) is applicable to this specification.

3 Terms and units of measurement

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3.1 Term

3.1.1 Attract suction Apply negative pressure to extract liquid and/or solid particles.

[YY0636.1-2008, definition 3.19]

3.1.2 Negative pressure Use atmospheric pressure as a reference point, a pressure less than atmospheric pressure.

[JJF 1008-2008, definition 1.7]

3.1.3 High vacuum

The pressure value is lower than or equal to -60kPa.

3.1.4 Mediumvacuum

The pressure value is higher than -60kPa but lower than -20kPa.

3.1.5 Low negative pressure lowvacuum the pressure value is higher than or equal to -20kPa but lower than 0kPa.

3.1.6 High Flow Suction the flow of free airflow generated by the suction is greater than or equal to 20L/min.

[YY0636.1-2008, definition 3.9]

3.1.7 Low Flow Suction the flow of free air flow generated by suction is less than 20L/min.

[YY0636.1-2008, definition 3.14]

3.1.8 Setpoint deviation

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