

JAPANESE INDUSTRIAL STANDARD

JIS K3831:1990

Testing methods for initial flow rate of membrane filters

October, 1999

ERRATA

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In Remark 1, an Applicable Standard is replaced as follows:

Error	JIS K 3803	Testing Methods for Determinating Aerosol Retention of Depthfilter for Air Sterilization
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Correct	JIS K 3804	Size of membrane filter elements
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In Table 1, described standard number is replaced as follows:

Error	JIS K 3803
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Correct	JIS K 3804
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Remarks: This erratum is for correcting the first edition of this Standard.

Japanese Standards Association

JIS

JAPANESE INDUSTRIAL STANDARD

**Testing methods for initial
flow rate of membrane filters**

JIS K 3831—1990

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In the event of any doubt arising,
the original Standard in Japanese is to be final authority.



JAPANESE INDUSTRIAL STANDARD

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Testing methods for initial flow rate
of membrane filters

K 3831-1990

1. Scope

This Japanese Industrial Standard specifies the testing methods for initial flow rate of membrane filters.

Remarks 1. Applicable Standards to this Standard are shown in the following.

- JIS B 7411 Etched-Stem Liquid-in-Glass Thermometers, Total Immersed Type
- JIS B 7505 Bourdon Tube Pressure Gauges
- JIS B 7551 Variable Area Flowmeters
- JIS B 8326 Positive-displacement Oil-sealed Rotary Vacuum Pumps
- JIS B 8342 Small-size Reciprocating Air Compressors
- JIS K 0101 Testing Method for Industrial Water
- JIS K 3802 Technical Terms for Membranes and Membrane Processes
- JIS K 3803 Testing Methods for Determinating Aerosol Retention of Depthfilter for Air Sterilization
- JIS Z 8710 General Rules for Temperature Measurements

2. In this Standard the units and numerical values shown in { } are in accordance with the traditional units and are Standard values.

2. Definitions

For the purpose of this Standard main definitions are in accordance with JIS K 3802 and to others the following definitions apply:

- (1) prefiltration The filtration treatment to restrict the aperture blocking of filter to be tested.
- (2) filter disk The filter element of sheet state.
- (3) filter cartridge The filter elements of pleat state, cylinder state, etc.
- (4) disposable filter A filter assembly to be non-reusable.
- (5) filter assembly The assembly filter elements assembled in housing or holder.
- (6) holder A container for using the filter disk.