

JIS

JAPANESE INDUSTRIAL STANDARD

Basic Environmental Testing Procedures Part 2: Tests, Test M: Low Air Pressure

JIS C 0029—1989

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

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Basic Environmental Testing Procedures
Part 2: Tests, Test M: Low Air Pressure

C 60068-2-13:1989

1. Introduction and Scope

This Japanese Industrial Standard specifies the low pressure tests performed at room temperature.

The object of this test is to determine the ability of components, equipment or other articles, hereinafter referred to as "specimens" to be stored, transported or used under low air pressure conditions.

Informative Reference: This Standard is a translated version of IEC 68-2-13 Basic environmental testing procedures Part 2: Tests. Test M: Low air pressure (1983).

2. General Description

The specimen is introduced into the test chamber, and the chamber air pressure is then reduced to the appropriate value specified in the relevant specification. These conditions are maintained for the specified duration.

3. Description of Test Apparatus

The test chamber shall be capable of maintaining the air pressure conditions given in Subclause 4. Care shall be taken to avoid air contamination by ancillary equipment and devices and by the air introduced when pressure is restored to normal.

4. Severities

The severities, as indicated by air pressure and duration of exposure, shall be specified in the relevant specification. The values shall preferably be selected from those given in Sub-clauses 4.1 and 4.2.

4.1 Air Pressure It shall be possible to maintain the following pressures in the chamber as given in the table below with a tolerance of $\pm 5\%$ or ± 0.1 kPa whichever is the larger. The tolerance on the 84 kPa shall be ± 2 kPa.

Applicable standard:

JIS C 0010-Basic Environmental Testing Procedures (General and Guidance)

Corresponding International Standard:

IEC 68-2-13 Basic environmental testing procedures. Part 2: Tests.
Test M: Low air pressure