AEROSPACE STANDARD

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Superseding AS2001A

Aerospace Fluid Systems and Components – Pressure and Temperature Classifications

This standard is equivalent to MA2001 (ISO 6771) except that imperial units are used.

RATIONALE

This technical report is being stabilized because it covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

STABILIZED NOTICE

This document has been declared “STABILIZED” by SAE G-3, Aerospace Couplings, Fittings, Hose, Tubing Assemblies Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

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FOREWORD

Changes in this revision are format/editorial only.

Aerospace fluid systems and components are generally designed and marked for a specific fluid pressure and temperature type.

1. SCOPE:

   This document establishes the temperature types and pressure classes that are commonly used in aerospace fluid systems.

   The temperature types and pressure classes are equivalent, but not identical, to the SI units defined in MA2001 (ISO 6771). For exact conversion use NAS 10000.

2. REFERENCES:

   There are no referenced publications specified herein.

3. TEMPERATURE CLASSIFICATIONS:

   System operating temperature ranges shall be classified as follows (see Table 1):

TABLE 1 - Temperature Type (°F)

TYPE I	-65 to 160
TYPE II	-65 to 275
TYPE III	-65 to 400
TYPE IV	-65 to 610
TYPE V	-65 to 750
TYPE VI	-65 to 1200
TYPE VII	-65 to 450