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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 30206.1-2026

Replacing GB/T 30206.1-2013

**Aerospace fluid systems vocabulary - Part 1: General terms and
definitions relating to pressure**

航空航天流体系统词汇 第1部分：压力相关的通用术语和定义

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 1 of GB/T 30206 "Aerospace Fluid Systems Vocabulary", which has been published.

---Part 1: General terms and definitions related to pressure;

---Part 2: General Terms and Definitions Related to Traffic;

---Part 3: General terms and definitions related to temperature;

---Part 4: General terms and definitions related to control/actuation systems.

This document replaces GB/T 30206.1-2013. Compared with GB/T 30206.1-2013, apart from structural adjustments and editorial changes, the main...

The technological changes are as follows.

The definitions of 21 terms, including "absolute pressure," have been revised (see sections 3.1-3.3, 3.5, 3.7-3.9, 3.11, 3.12, 3.14, 3.22, 3.25, and 3.29).

3.30, 3.34, 3.39, 3.40, 3.45, 3.50~3.52; 2013 edition 2.1~2.3, 2.5, 2.7~2.9, 2.11, 2.12, 2.14, 2.22, 2.25.

2.29, 2.30, 2.34, 2.39, 2.40, 2.45, 2.50~2.52).

This document is equivalent to ISO 8625.1:2018 "Aerospace fluid systems - Vocabulary - Part 1: General terminology related to pressure".

and definition.

The following minimal editorial changes have been made to this document.

---To align with existing standards, the standard name has been changed to "Aerospace Fluid Systems Glossary Part 1: General Terms Related to Pressure".

"Terms and Definitions".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Aircraft Standardization Technical Committee (SAC/TC435).

Introduction

GB/T 30206 specifies the general terminology and definitions applicable to pressure, flow rate, temperature, and control/actuation systems in aerospace fluid systems.

The character (yi) is composed of four parts.

---Part 1: General Terms and Definitions Related to Pressure. The aim is to standardize pressure-related terms and definitions in the field of aerospace fluid systems.

General terms and definitions.

---Part 2: General Terms and Definitions Related to Flow. The aim is to standardize the understanding of flow-related terms in the field of aerospace fluid systems.

General terms and definitions.

---Part 3: General Terminology and Definitions Related to Temperature. The aim is to standardize temperature-related terms and definitions in the field of aerospace fluid systems.

General terms and definitions.

---Part 4: General Terminology and Definitions Related to Control/Actuation Systems. The aim is to unify the terminology and definitions used in the field of aerospace fluid systems related to control/actuation systems.

General terms and definitions related to braking/actuation systems.

Aerospace Fluid Systems Terminology Part 1: General terms and definitions related to pressure

1 Scope

This document defines the general terminology and definitions used for pressure-related fluid systems in aerospace.

2 Normative references

This document has no normative references.

3 Terms and Definitions

Note: Pressure curves representing various pressures are shown in Appendix A.

absolute pressure

The pressure value with absolute vacuum as a reference is equal to the gauge pressure plus atmospheric pressure.

actual pressure

Pressure values at specific locations, temperatures, and times within the system or accessories.

environmental pressure the pressure exerted on the specified object by the surrounding medium.

Atmospheric pressure Absolute atmospheric pressure in a specific region and at a specific time.

back pressure

back pressure

Pressure that has the opposite effect to work pressure.

Breakout pressure

The appendix specifies the minimum pressure required to overcome static friction under specified conditions.

actual burst pressure Pressure when the accessory breaks or leaks excessively due to structural failure.

Minimum burst pressure Ultimate pressure the attachment allows for the maximum pressure to reach burst or rupture.