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

GB/T 45847-2025

Compressed non-breathing air for use in aircraft

航空非呼吸用压缩空气

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is equivalent to ISO 2434:1973 "Compressed air for non-breathing purposes" for aviation.

This document adds two chapters. "Normative References" and "Terms and Definitions".

1 Scope

This document specifies the pressure and property requirements for aviation non-breathing air compressed in oil-lubricated equipment.

This document is not applicable to air for breathing or oxygen systems.

2 Normative references

This document has no normative references.

3 Terms and Definitions

There are no terms or definitions that require definition in this document.

The compressed air supply pressure should be able to ensure that the aircraft system can be pressurized to 34.3MPa at 20°C.

4 Pressure

Note: The commonly used working pressures of compressed air systems for aircraft are 24.1MPa and 34.3MPa.

5 Performance

5.1

At 15°C and 101.3 kPa, the total amount of oil vapor and suspended particles in each liter of compressed air shall not exceed 0.005 mg.

5.2

At 15°C and 101.3 kPa, the water content per liter of compressed air should not exceed 0.02 mg.

5.3

Particles in compressed air should be able to pass through a filter with a filtration accuracy of 10μm.