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ICS 71.100.20
CCS J76

JB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JB/T 15151-2025

Cryogenic separation unit of alkanes dehydrogenation

低温法烷烃脱氢分离设备

(English Translation)

Issued on: May 9, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

JB/T 15151-2025 was issued by Ministry of Industry and Information Technology on 9 May 2025 and has been in force since 1 November 2025.

The JB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the basic process, model, and technical requirements for cryogenic alkane dehydrogenation separation equipment. It describes the corresponding test methods and specifies inspection rules, installation, marking, packaging, transportation, and storage. This document applies to the manufacture of cryogenic alkane dehydrogenation separation equipment for producing olefins using propane, isobutane, or a mixture of propane and isobutane.

JB/T 15151-2025 falls under ICS 71.100.20, in the field of chemical technology.

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This catalogue holds 70 other JB/T standards in that field.

In this catalogue, JB/T standards carry edition years from 1967 to 2026.

3 About this standard

Sector: Mechanical & Machinery Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 18442.2-2019 - Static vacuum insulated cryogenic pressure vessels-Part 2:Materials

GB/T 18442.1-2019 - Static vacuum insulated cryogenic pressure vessels - Part 1:General requirements

JB/T 9076-2016 - Reciprocating cryogenic liquid pumps - Specification

JB/T 15153-2025 - Hydrogen turbo-expander braked with generator

JB/T 15152-2025 - Hydrogen turbo-expander braked with generator

JB/T 15150-2025 - Liquid nitrogen wash unit

5 Classification and status

International classification (ICS): 71.100.20

Chinese Standard Classification (CCS): J 76

Prefix JB/T: recommended standard.

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