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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JB/T 15388-2025

CO2 refrigerant check valve for new energy vehicle air conditioning

新能源汽车空调用二氧化碳制冷剂单向阀

(English Translation)

Issued on: December 17, 2025 **Implemented on: July 1, 2026**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

JB/T 15388-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 July 2026.

This is a draft translation for reference among interesting stakeholders. The finalized

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translation (passing through draft translation, self-check, revision and verification) will be delivered upon being ordered.

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.

2 Scope Preview

This document specifies the types, basic parameters and technical requirements for carbon dioxide refrigerant check valves for new energy vehicle air conditioning, describes the corresponding test methods, and specifies the inspection rules, marking, packaging, transportation and storage. This document is applicable to the manufacture of check valves with R744 (carbon dioxide) as the refrigerant and valve sizes not exceeding 10 mm. Note: The check valves covered by this document are used in the manufacture of air conditioning heat pump systems for new energy vehicles.

JB/T 15388-2025 is filed under Chinese Standard Classification J73, in the field of machinery.

This catalogue holds 16,018 other JB/T standards without an ICS number.

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:

JB/T 12843-2016 - Centrifugal refrigerant compressors

GB/T 17758-2010 - Unitary air conditioners

GB/T 18362-2008 - Direct-fired lithium bromide absorption water chiller (heater)

JB/T 15385-2025 - Thermo-siphon evaporator for air conditioning and refrigeration equipment

JB/T 15384-2025 - Reservoir for thermo-siphon oil cooling system for air conditioning and refrigeration

JB/T 15383-2025 - Magnetic bearing centrifugal refrigerant compressors

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5 Classification and status

Chinese Standard Classification (CCS): J 73

Prefix JB/T: recommended standard.

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