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

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**Electronic expansion valve for carbon dioxide refrigeration
system**
(English Translation)

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What this standard covers

This standard specifies the model, basic parameters and technical requirements of electronic expansion valves for carbon dioxide refrigeration systems, describes the corresponding test methods, and specifies inspection rules, marking, packaging, transportation and storage. This standard applies to the manufacture of electronic expansion valves for refrigeration systems in the fields of heat pump hot water and refrigeration and freezing, with R744 (CO₂) as the refrigerant, a rated voltage not greater than DC36V, and a valve diameter not greater than 8mm. It is used as a reference for the manufacture of electronic expansion valves for refrigeration systems in other fields (such as electric air conditioning systems for new energy vehicles, etc.).

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