Chinastandards.org

ICS 23.100.60
CCS J20

# NATIONAL STANDARD OF THE

# PEOPLE'S REPUBLIC OF CHINA

# GB/Z 211-2026

## Hydraulic fluid power - Filters - Allowable deviation and classification of filtration ratio

液压传动 过滤器 过滤比允差与分级方法

**(English Translation)**

**Issued on: August 27, 2026** **Implemented on: August 27, 2026**

**Issued by: State Administration for Market Regulation;**
**Standardization Administration of China**

Preview: page 1 of 2 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-z-211-2026

Chinastandards.org

# Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

## Foreword

GB/Z 211-2026 is a national guiding technical document (GB/Z) of the People's Republic of China, issued on 27 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China.

It is under the responsibility of the China Machinery Industry Federation.

Classification: ICS 23.100.60; CCS J20.

## 1 Scope

This guiding document deals with the filtration ratio of hydraulic filters, which expresses how well a filter element holds back particles, and with how that ratio is classified. According to its scope, it describes the tolerance and the classification method for the filtration ratio of hydraulic filter elements. The lower tolerance limit applies to conformity assessment of filtration ratio values measured between laboratories with automatic particle counters based on the light extinction principle. The filtration ratio and accuracy classification apply to expressing filtration capability.

The content covers the tolerance limits and how the tolerance range is calculated, the classification of filter elements by filtration ratio and by accuracy, and labelling instructions. Informative annexes explain the significance of the tolerance and give deviation information drawn from proficiency testing.

It applies to filters using hydraulic oil or liquids with similar chemical properties, and is a GB/Z document that gives guidance rather than mandatory requirements. Filter manufacturers, hydraulic system designers and test laboratories can use it. Issued on 27 August 2026 by the China Machinery Industry Federation.



Preview: page 2 of 2 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-z-211-2026