

ICS 65.060.40

CCS B 91



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

GB/T 45787-2025

**Equipment for crop protection - Closed transfer systems (CTS)
- Performance specification**

植物保护机械 闭式输送系统（CTS）性能指标

(English Translation)

Issued on: May 30, 2025

Implemented on: September 1, 2025

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Foreword

1 Scope

2 Normative references

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 21191:2021 "Performance specifications for closed conveyor systems (CTS) for plant protection machinery".

1 Scope

This document specifies the safety requirements and verification methods related to operators and the environment for 1L~20L pesticide (PPP) liquid formulations Design and manufacture of closed transport systems (CTS) for containers.

In addition, this document specifies the type of information on practical operational safety, including residual wind speed, that should be provided by the closed conveying system manufacturer.

The maximum potential for contamination during any single transfer operation is specified.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

ISO 3600 Tractors, machinery for agriculture and forestry, lawn and gardening powered machinery - Contents and format of operator manuals format)

Note: GB/T 9480-2001 Rules for the preparation of instructions for use of agricultural and forestry tractors and machinery, lawn and gardening power machinery (eqvISO 3600.1996)

ISO 3767-1 Symbols for operator controls and other display devices on tractors and

machinery for agriculture and forestry, and lawn and garden powered machinery

Note: GB/T 4269.1-2000 Symbols for operator controls and other display devices for tractors and machinery for agriculture and forestry, lawn and gardening power machinery Part 1 Part. Common symbols (idt ISO 3767-1:1991)

ISO 3767-2 Symbols for operator controls and other display devices on tractors and machinery for agriculture and forestry, and lawn and garden powered machinery

Note: GB/T 4269.2-2016 Symbols for operator controls and other display devices for tractors and machinery for agriculture and forestry, lawn and gardening power machinery Part 2 Part. Symbols for agricultural tractors and machinery (ISO 3767-2:2008, IDT)

Note: GB/T 20085-2024 Vocabulary of plant protection machinery (ISO 5681:2020, MOD)

ISO 21278-1:2008 Equipment for crop protection - Suction dosing devices - Part 1: Test methods

Note: GB/T 32242.1-2015 Plant protection machinery suction dosing devices Part 1: Test methods (ISO 21278-1:2008, MOD)

ISO 21278-2 Equipment for plant protection - Suction dosing devices - Part 2: General requirements and performance limits

Note: GB/T 32242.2-2015 Plant protection machinery suction dosing devices Part 2: General requirements and performance limits (ISO 21278-2:2008, MOD)