

ICS 47.020.30

CCS U 04



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

GB/T 4791-2025

Replacing GB/T 4791-2005

Graphical symbols for pipeline accessories of ships

船舶管路附件图形符号

Issued on: October 31, 2025

Implemented on: May 1, 2026

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

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Graphic Symbols
 - 4.1.1 Piping pipe
 - 4.1.2 Piping with flow direction indicator
 - 4.1.3 Valves valve
 - 4.1.4 Appliance
 - 4.1.9 Accompanying personnel tracing pipe

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document supersedes GB/T 4791-2005 "Graphical Symbols for Ship Piping Fittings". Compared with GB/T 4791-2005, this document differs in that it includes the following. Aside from structural adjustments and editorial changes, the main technical changes are as follows:

- a) Three new symbols have been added. double-walled tube, heating coil, and accompanying tube (see Table 1, sections 4.1.7, 4.1.8, and 4.1.9).
- b) The orifice plate pattern has been modified (see 4.2.24 in Table 2, 2005 version);
- c) A double blind flange drawing has been added (see 4.2.26 in Table 2);
- d) The following have been removed. threaded pipe caps (pipe plugs), through-hole fittings (watertight), through-hole fittings (non-watertight), single-sided pipe seat plates, and double-sided pipe seat plates (see...). (Table 2, 2.2.25, 2.2.28~2.2.31 in the 2005 edition)
- e) The graphic symbols for ball valves and straight-through hose connector valves have been changed (see Table 4, 4.4.12 and 4.4.35; Table 4,

2.4.12 in the 2005 edition). 4.4.33);

f) The graphic symbols for the straight-through and right-angle cocks have been changed (see Table 4,

4.4.39 and 4.4.40; Table 4,

1 Scope

GB/T 4791-2025 is the Chinese national standard covering the symbols on a ship's piping diagram - the valves, strainers, traps and fittings, each with one agreed figure, so that a diagram drawn in one yard is read the same way by the crew and the surveyor years later. Issued on 31 October 2025, it has been in force since 1 May 2026, replacing GB/T 4791-2005.

This document specifies the graphic symbols for ship piping accessories. This document applies to the identification of graphic symbols for piping fittings in the design, construction, inspection, and repair of ships.

2 Normative references

This document has no normative references.

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4 Graphic Symbols

4.1 Basic symbols are as per Table 1. Table

4.1.4 Appliance

4.1.5 Indicating and measuring instruments indication, measuring instrument Telemetry indicators and measuring instruments remote indication, measuring instrument Double-walled pipe double-walled pipe

4.1.8 heating coil heating coil