International Standard

ISO 14723

Oil and gas industries including lower carbon energy — Pipeline transportation systems — Subsea pipeline valves

Industries du pétrole et du gaz, y compris les énergies à faible teneur en carbone — Systèmes de transport par conduites — Vannes de conduites immergées

Third edition
2025-06

Reference number
ISO 14723:2025(en)

© ISO 2025



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Supplements to API 6DSS, 3rd edition (2017) **1**
4.1 General requirements 1
4.2 Valve marking 1
Bibliography **2**

© ISO 2025 – All rights reserved

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 67, *Oil and gas industries including lower carbon energy*, Subcommittee SC 2, *Pipeline transportation systems,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 12, *Oil and gas industries including lower carbon energy,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 14723:2009), which has been technically revised.

This document supplements API 6DSS, 3rd edition (2017).

The technical requirements of this document and API 6DSS used to be identical. In the meantime, API 6DSS has been technically revised as API 6DSS, 3rd edition (2017). The purpose of this edition of ISO 14723 is to bring it up to date, by referencing the current edition of API Specification 6DSS and including supplementary content.

The main changes compared to the previous edition are as follows:

— API 6DSS 3rd Edition was a major rewrite compared to the previous edition.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

© ISO 2025 – All rights reserved

Introduction

This document is based on ISO 14313. It has been developed to address special requirements specific to subsea pipeline valves.

© ISO 2025 – All rights reserved

Oil and gas industries including lower carbon energy — Pipeline transportation systems — Subsea pipeline valves

1 Scope

This document defines the requirements for the design, manufacturing, quality control, assembly, testing, and documentation of ball, check, gate, plug, and axial on–off valves for application in subsea pipeline systems for the petroleum and natural gas industries.

This document applies to ASME Class 150, 300, 600, 900, 1500, and 2500 valves intended for use in subsea pipelines. Use of these valves for any other purpose is outside the scope of this document.

This document is a supplement to API 6DSS, 3rd edition (2017), with Addendum 1 (2019) and Addendum 2 (2022), including Errata 1-3, the requirements of which are applicable with the additions specified in this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

API 6DSS, *3rd edition (2017), Specification for Subsea Pipeline Valves (including all errata and addenda)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in API 6DSS, 3rd edition (2022) apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Supplements to API 6DSS, 3rd edition (2017)

4.1 General requirements

The requirements specified in API 6DSS, 3rd edition (2017) with Addendum 1 (2019) and Addendum 2 (2022), including Errata 1-3, shall apply, with the additions specified in 4.2.

Annex A shall be removed in its entirety.

4.2 Valve marking

The requirements specified in API 6DSS, 3rd edition (2017), Table 6 shall apply with the following addition:

ISO 14723 shall be marked on the nameplate.

Dual marking of both “ISO 14723” and “API 6DSS” is permitted.

© ISO 2025 – All rights reserved