



SLOVENSKI STANDARD SIST EN ISO 23632:2022

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Industrijski ventili - Validacija zasnove in preskušanje ventilov (ISO 23632:2021)

Industrial valves - Design validation-testing of valves (ISO 23632:2021)

Industriearmaturen - Validierungsprüfung der Konstruktion von Armaturen (ISO 23632:2021)

Robinetterie industrielle - Essais de validation de la conception des appareils de robinetterie (ISO 23632:2021)

Ta slovenski standard je istoveten z: **EN ISO 23632:2022**

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Industrial valves - Design validation-testing of valves (ISO 23632:2021)

Robinetterie industrielle - Essais de validation de la conception des appareils de robinetterie (ISO 23632:2021)

Industriearmaturen - Validierungsprüfung der Konstruktion von Armaturen (ISO 23632:2021)

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European foreword

The text of ISO 23632:2021 has been prepared by Technical Committee ISO/TC 153 "Valves" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 23632:2022 by Technical Committee CEN/TC 69 "Industrial valves" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.

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STANDARD

ISO
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First edition
2021-05

**Industrial valves — Design validation-
testing of valves**

*Robinetterie industrielle - Essais de validation de la conception des
appareils de robinetterie*

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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 documents 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).

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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 153, *Valves*.

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.

Introduction

The scope of this document is currently limited to ball and butterfly valves.

The objective of this document is to outline the requirements and methods for evaluating the performance of metallic industrial valves with respect to seat performance and operating torque capability. Fugitive emission performance was omitted, as it is covered by ISO 15848-1. The number of cycles (205) is consistent with the number in C01 of ISO 15848-1:2015. It serves to test the accuracy and dependability of the measurements and capabilities of a valve as published by the manufacturer in the valve's technical documentation.

Type validation is the most reliable method to validate a range of valve products, covering many aspects, such as its design, material selection and manufacturing processes. It will also serve as a guide for valve selection, allowing customers to compare different valve types, designs and brands.

Several major customers already require type tests, each having their own requirements and specifications. Introducing a defined International Standard will reduce manufacturer's costs by decreasing the number of qualifications, as well as decreasing end-user total cost-of-ownership, by eliminating the possibility of unintentional design flaws.

This validation will improve performance and safety in the plants by enabling any customer to specify durable type-tested industrial valves.

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