



SLOVENSKI STANDARD SIST EN ISO 28921-1:2022

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Nadomešča:

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**Industrijski ventili - Zapirni ventili za uporabo pri nizki temperaturi - 1. del:
Načrtovanje, proizvodnja in preskušanje med proizvodnjo (ISO 28921-1:2022)**

Industrial valves - Isolating valves for low-temperature applications - Part 1: Design,
manufacturing and production testing (ISO 28921-1:2022)

Industriearmaturen - Absperrventile für die Anwendung im Tieftemperaturbereich - Teil 1:
Auslegung, Fertigung und Produktionsprüfung (ISO 28921-1:2022)

Robinetterie industrielle - Robinets d'isolement pour application à basses températures -
Partie 1: Conception, essais de fabrication et de production (ISO 28921-1:2022)

Ta slovenski standard je istoveten z: EN ISO 28921-1:2022

ICS:

23.060.01	Ventili na splošno	Valves in general
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English Version

Industrial valves - Isolating valves for low-temperature applications - Part 1: Design, manufacturing and production testing (ISO 28921-1:2022)

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This European Standard was approved by CEN on 8 May 2022.

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European foreword

This document (EN ISO 28921-1:2022) has been prepared by Technical Committee ISO/TC 153 "Valves" in collaboration with 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of an identical text or by endorsement, at the latest by November 2022, and conflicting national standards shall be withdrawn at the latest by November 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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Endorsement notice

The text of ISO 28921-1:2022 has been approved by CEN as EN ISO 28921-1:2022 without any modification.

INTERNATIONAL STANDARD

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Second edition
2022-05

Industrial valves — Isolating valves for low-temperature applications —

Part 1: Design, manufacturing and production testing

*Robinetterie industrielle — Robinets d'isolement pour application à
basses températures —
Partie 1: Conception, essais de fabrication et de production*

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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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This document was prepared by Technical Committee ISO/TC 153, *Valves*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 69, *Industrial valves*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 28921-1:2013), which has been technically revised.

The main changes are as follows:

- extension of the scope to include sizes DN 950 to 1 800, NPS 38 to 72, and pressure designations PN 400 and Class 2 500;
- addition of a new terminological entry for shell (3.14);
- addition of a new terminological entry for drip plate (3.15);
- exclusion of safety valves and control valves;
- in 5.2, addition of type test requirement in accordance with ISO 28921-2;
- update of Annex A giving the test procedure for production testing of valves at low temperature.

A list of all parts in the ISO 28921 series can be found on the ISO website.

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 purpose of this document is the establishment of basic requirements and practices for design, fabrication, material selection and production testing of valves used in low-temperature services. The intention is to provide requirements for design, material selection and valve preparation for valves to be used in low-temperature service.

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