



SLOVENSKI STANDARD

SIST ISO 4399:1995

01-avgust-1995

:`i]XbUHM b]_U!'Df]_`f _]]b`Wj]!'BUh]j b]`hU_]

Fluid power systems and components -- Connectors and associated components --
Nominal pressures

Transmissions hydrauliques et pneumatiques -- Raccords et composants associés --
Pressions nominales

STANDARD PREVIEW
(standards.iteh.ai)

Ta slovenski standard je istoveten z: ^{SIST ISO 4399:1995} **ISO 4399:1995**
<https://standards.iteh.ai/catalog/standards/sist/525d478a-0c7a-412d-b753-12694aa523fc/sist-iso-4399-1995>

ICS:

23.100.40 Cevna napeljava in sklopke Piping and couplings

SIST ISO 4399:1995

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST ISO 4399:1995

<https://standards.iteh.ai/catalog/standards/sist/523d478a-0c7a-412d-b753-12694aa523fc/sist-iso-4399-1995>

INTERNATIONAL
STANDARD

ISO
4399

Second edition
1995-05-01

**Fluid power systems and components —
Connectors and associated components —
Nominal pressures**

iTeh STANDARD PREVIEW

(Standard by iTeh)
*Transmissions hydrauliques et pneumatiques — Raccords et éléments
associés — Pressions nominales*

SIST ISO 4399:1995

<https://standards.iteh.ai/catalog/standards/sist/523d478a-0c7a-412d-b753-12694aa523fc/sist-iso-4399-1995>



Reference number
ISO 4399:1995(E)

ISO 4399:1995(E)**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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 4399 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 4, *Connectors and similar products and components*.

This second edition cancels and replaces the first edition (ISO 4399:1977), which has been technically revised.

© ISO 1995

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Introduction

In fluid power systems, power is transmitted and controlled through a fluid (liquid or gas) under pressure within a circuit. Systems and components are generally designed and marketed for use at a specific fluid pressure level.

Components are connected through their ports and associated fluid conductor fitting ends.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ISO 4399:1995](https://standards.iteh.ai/catalog/standards/sist/523d478a-0c7a-412d-b753-12694aa523fc/sist-iso-4399-1995)

<https://standards.iteh.ai/catalog/standards/sist/523d478a-0c7a-412d-b753-12694aa523fc/sist-iso-4399-1995>

iTeh STANDARD PREVIEW

This page intentionally left blank
(standards.iteh.ai)

SIST ISO 4399:1995

<https://standards.iteh.ai/catalog/standards/sist/523d478a-0c7a-412d-b753-12694aa523fc/sist-iso-4399-1995>

Fluid power systems and components — Connectors and associated components — Nominal pressures

1 Scope

This International Standard specifies a selection of nominal pressures for hydraulic and pneumatic fluid power connectors and associated components.

NOTE 1 There may be a need to provide a selection of nominal pressures for connectors and associated components used in applications where the external pressure on the components is greater than the internal pressure, for example vacuum service. An International Standard that deals with this subject will be established in due course.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2944:1974, *Fluid power systems and components — Nominal pressures*.

ISO 5598:1985, *Fluid power systems and components — Vocabulary*.

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 5598 and the following definition apply.

3.1 nominal pressure: A pressure value assigned to a component or a system for the purpose of convenient designation.

NOTE 2 This definition is the same as that used in ISO 2944 and is intended solely to complete this International Standard. A more comprehensive definition for general purposes may be established subsequently.

4 Units

4.1 Nominal pressures shall be expressed in kilopascals (kPa) or megapascals (MPa), depending on the pressure level, with the equivalent value in bars¹⁾ in parentheses.

4.2 The nominal pressure shall be assumed to be gauge pressure, i.e. the pressure above atmospheric pressure, when no modifier is given.

4.3 Nominal pressures other than those specified here shall be selected from ISO 2944.

1) 1 bar = 100 kPa = 0,1 MPa

5 Nominal pressures

Nominal pressures for connectors and associated components shall be selected from table 1.

Table 1 — Nominal pressures (gauge)

0,25 MPa	(2,5 bar)
0,63 MPa	(6,3 bar)
1 MPa	(10 bar)
1,6 MPa	(16 bar)
2,5 MPa	(25 bar)
4 MPa	(40 bar)
6,3 MPa	(63 bar)
10 MPa	(100 bar)
16 MPa	(160 bar)
20 MPa	(200 bar)
25 MPa	(250 bar)
31,5 MPa	(315 bar)
[35 MPa]	[(350 bar)]
40 MPa	(400 bar)
50 MPa	(500 bar)
63 MPa	(630 bar)

NOTE — Non-preferred values are shown in square brackets.

6 Identification statement (Reference to this International Standard)

Use the following statement in test reports, catalogues and sales literature when electing to comply with this International Standard: "Nominal pressures for connectors and associated components selected from ISO 4399:1995, *Fluid power systems and components — Connectors and associated components — Nominal pressures.*"

ITeH STANDARD PREVIEW
(standards.iteh.ai)

SIST ISO 4399:1995

<https://standards.iteh.ai/catalog/standards/sist/523d478a-0c7a-412d-b753-12694aa523fc/sist-iso-4399-1995>